

APPLICANT: Liu, Qian
APPLICANT: Russo, Joseph F
APPLICANT: Smith, Julian R
APPLICANT: Thomsen, William J
TITLE OF INVENTION: No. 6140509-Endogenous, Constitutively Activated Human
TITLE OF INVENTION: Serotonin Receptors And Small Molecule Modulators
TITLE OF INVENTION: Thereof
FILE REFERENCE: AREN0033
CURRENT APPLICATION NUMBER: US/09/292,069A
CURRENT FILING DATE: 1999-04-14
PRIOR APPLICATION NUMBER: 60/090,783
PRIOR FILING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/112,909
PRIOR FILING DATE: 1998-12-18
PRIOR APPLICATION NUMBER: 60/123,000
PRIOR FILING DATE: 1999-03-05
NUMBER OF SEQ ID NOS: 33
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 27
LENGTH: 458
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: No. 6140509el
OTHER INFORMATION: Sequence
US-09-292-069A-27
Query Match 12.6%; Score 67; DB 3; Length 458;
Best Local Similarity 27.4%; Pred. No. 9.2;
Matches 23; Conservative 14; Mismatches 29; Indels 18; Gaps 3;
QY 6 RDHASLGDSETLSQTELKRRKKR-----ERKFAQNCGIDFIIFWIFWILLF 54
Db 269 RNTAEENSANPNQDNARRRKKRRPRGTMTQAINNERKASKVLGIVFFVFLIMWCPFF 328
QY 55 SHHWIQESLLCPPSPKEVTCREML 78
Db 329 ITNIL--SVLC-----EKSCNQKL 345
RESULT 9
US-09-032-742-10
Sequence 10, Application US/09032742
Patent No. 6255089
GENERAL INFORMATION:
APPLICANT: Teittler, Milt
APPLICANT: Herrick-Davis, Katharine
APPLICANT: Egan, Christina C.
TITLE OF INVENTION: Constitutively Activated Serotonin
TITLE OF INVENTION: Receptors
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: Laurence Weinberger
STREET: 882 S. Matlack Street, Suite 103
STREET: P.O. Box 1663
CITY: West Chester
STATE: PA
COUNTRY: USA
ZIP: 19380-0053
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/032,742
FILING DATE: 27-FEB-1998
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Weinberger, Laurence
REGISTRATION NUMBER: 27,965
REFERENCE/DOCKET NUMBER: 3086-4
TELECOMMUNICATION INFORMATION:

TELEPHONE: (610) 431-1703
TELEFAX: (610) 431-4181
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 458 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: not relevant
MOLECULE TYPE: protein
US-09-032-742-10
Query Match 12.6%; Score 67; DB 3; Length 458;
Best Local Similarity 27.4%; Pred. No. 9.2;
Matches 23; Conservative 14; Mismatches 29; Indels 18; Gaps 3;
QY 6 RDHASLGDSETLSQTELKRRKKR-----ERKFAQNCGIDFIIFWIFWILLF 54
Db 269 RNTAEENSANPNQDNARRRKKRRPRGTMTQAINNERKASKVLGIVFFVFLIMWCPFF 328
QY 55 SHHWIQESLLCPPSPKEVTCREML 78
Db 329 ITNIL--SVLC-----EKSCNQKL 345
RESULT 10
US-09-767-013-27
Sequence 27, Application US/09767013
Patent No. 6420541
GENERAL INFORMATION:
APPLICANT: Behan, Dominic
APPLICANT: Chalmers, Derick
TITLE OF INVENTION: No. 6420541-Endogenous, Constitutively Activated Human
TITLE OF INVENTION: Serotonin Receptors and Small Molecule Modulators
TITLE OF INVENTION: Thereof
FILE REFERENCE: AREN0035
CURRENT APPLICATION NUMBER: US/09/767,013
CURRENT FILING DATE: 2001-01-23
PRIOR APPLICATION NUMBER: 09/292,072
PRIOR FILING DATE: 1999-04-14
NUMBER OF SEQ ID NOS: 33
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 27
LENGTH: 458
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: No. 6420541el Sequence
US-09-767-013-27
Query Match 12.6%; Score 67; DB 4; Length 458;
Best Local Similarity 27.4%; Pred. No. 9.2;
Matches 23; Conservative 14; Mismatches 29; Indels 18; Gaps 3;
QY 6 RDHASLGDSETLSQTELKRRKKR-----ERKFAQNCGIDFIIFWIFWILLF 54
Db 269 RNTAEENSANPNQDNARRRKKRRPRGTMTQAINNERKASKVLGIVFFVFLIMWCPFF 328
QY 55 SHHWIQESLLCPPSPKEVTCREML 78
Db 329 ITNIL--SVLC-----EKSCNQKL 345
RESULT 11
US-09-341-446B-11
Sequence 11, Application US/09341446B
Patent No. 6518480
GENERAL INFORMATION:
APPLICANT: Conklin, Bruce R.
TITLE OF INVENTION: Selective Target Cell Activation By
TITLE OF INVENTION: Expression of A G Protein-Coupled Receptor Activated
TITLE OF INVENTION: Superiorly By Synthetic Ligand
FILE REFERENCE: UCAL-049CIP
CURRENT APPLICATION NUMBER: US/09/341,446B

APPLICATION NUMBER: US/09/292,071
FILING DATE: April 14, 1999
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Mark J. Rosen
REGISTRATION NUMBER: 39,822
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 564-6525
TELEFAX: (215) 568-3439
INFORMATION FOR SEQ ID NO: 33:
SEQUENCE CHARACTERISTICS:
LENGTH: 478 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: not relevant
MOLECULE TYPE: protein
US-09-292-071-33
Query Match 12.4%; Score 66; DB 3; Length 478;
Best Local Similarity 25.8%; Pred. No. 13;
Matches 23; Conservative 16; Mismatches 32; Indels 18; Gaps 3;
QY 6 RDHASLGDSETLSQTELKRRKKR-----ERKFAQNCGIDFIIFWIFWILLF 54
Db 289 RNTAEENSANPNQDNARRKKRRPRGTMQAINNERKAKKVLGIVFFVFLIMWCPFF 348
QY 55 SHHWIQESLLCPPSPKEVTCREMLTGGCL 83
Db 349 ITNIM--AVICKES-----CNEDVIGALL 370

RESULT 16
US-09-292-069A-33
; Sequence 33, Application US/09292069A
; Patent No. 6140509
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P
; APPLICANT: Chalmers, Derek T
; APPLICANT: Foster, Richard J
; APPLICANT: Glen, Robert C
; APPLICANT: Lawless, Michael S
; APPLICANT: Liaw, Chen W
; APPLICANT: Liu, Qian
; APPLICANT: Russo, Joseph F
; APPLICANT: Smith, Julian R
; APPLICANT: Thomsen, William J
; TITLE OF INVENTION: No. 6140509-Endogenous, Constitutively Activated Human
; TITLE OF INVENTION: Serotonin Receptors And Small Molecule Modulators
; TITLE OF INVENTION: Thereof
; FILE REFERENCE: AREN0033
; CURRENT APPLICATION NUMBER: US/09/292,069A
; CURRENT FILING DATE: 1999-04-14
; PRIOR APPLICATION NUMBER: 60/090,783
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/112,909
; PRIOR FILING DATE: 1998-12-18
; PRIOR APPLICATION NUMBER: 60/123,000
; PRIOR FILING DATE: 1999-03-05
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 33
; LENGTH: 478
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: No. 6140509e1
; OTHER INFORMATION: Sequence
US-09-292-069A-33
Query Match 12.4%; Score 66; DB 3; Length 478;
Best Local Similarity 25.8%; Pred. No. 13;
Matches 23; Conservative 16; Mismatches 32; Indels 18; Gaps 3;

QY 6 RDHASLGDSETLSQTELKRRKKR-----ERKFAQNCGIDFIIFWIFWILLF 54
Db 289 RNTAEENSANPNQDNARRKKRRPRGTMQAINNERKAKKVLGIVFFVFLIMWCPFF 348
QY 55 SHHWIQESLLCPPSPKEVTCREMLTGGCL 83
Db 349 ITNIM--AVICKES-----CNEDVIGALL 370
RESULT 17
US-09-767-013-33
; Sequence 33, Application US/09767013
; Patent No. 6420541
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic
; APPLICANT: Chalmers, Derick
; TITLE OF INVENTION: No. 6420541-Endogenous, Constitutively Activated Human
; TITLE OF INVENTION: Serotonin Receptors and Small Molecule Modulators
; TITLE OF INVENTION: Thereo
; FILE REFERENCE: AREN0035
; CURRENT APPLICATION NUMBER: US/09/767,013
; CURRENT FILING DATE: 2001-01-23
; PRIOR APPLICATION NUMBER: 09/292,072
; PRIOR FILING DATE: 1999-04-14
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 33
; LENGTH: 478
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: No. 6420541e1 Sequence
US-09-767-013-33

Query Match 12.4%; Score 66; DB 4; Length 478;
Best Local Similarity 25.8%; Pred. No. 13;
Matches 23; Conservative 16; Mismatches 32; Indels 18; Gaps 3;
QY 6 RDHASLGDSETLSQTELKRRKKR-----ERKFAQNCGIDFIIFWIFWILLF 54
Db 289 RNTAEENSANPNQDNARRKKRRPRGTMQAINNERKAKKVLGIVFFVFLIMWCPFF 348
QY 55 SHHWIQESLLCPPSPKEVTCREMLTGGCL 83
Db 349 ITNIM--AVICKES-----CNEDVIGALL 370
RESULT 18
US-09-292-072-33
; Sequence 33, Application US/09292072
; Patent No. 6541209
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic
; APPLICANT: Chalmers, Derick
; TITLE OF INVENTION: No. 6541209-Endogenous, Constitutively Activated Human
; TITLE OF INVENTION: Serotonin Receptors and Small Molecule Modulators
; TITLE OF INVENTION: Thereo
; FILE REFERENCE: AREN0035
; CURRENT APPLICATION NUMBER: US/09/292,072
; CURRENT FILING DATE: 1999-04-14
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 33
; LENGTH: 478
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: No. 6541209e1 Sequence
US-09-292-072-33
Query Match 12.4%; Score 66; DB 4; Length 478;
Best Local Similarity 25.8%; Pred. No. 13;
Matches 23; Conservative 16; Mismatches 32; Indels 18; Gaps 3;

QY	6	RDHASLGDSETLSQTELRRKKR	-----ERKFOANCGIDFIIFWIFWILF	54
		: : : : : : : :		
Db	289	RNTAEENSANPNQDQNARRRKKRRPRCTMQAINNERKAKKVLGIVFFVFLIMWCFF		348
QY	55	SHHWIQESLLCPPSPKEVTCREMLTGGCL	83	
		: : : : :		
Db	349	ITNIM--AVICKES-----CNEDVIGALL	370	

RESULT 19
US-09-206-551-19
; Sequence 19, Application US/09206551B
; Patent No. 6521739
; GENERAL INFORMATION:
; APPLICANT: Hahn, Beatrice H.
; APPLICANT: Gao, Feng
; APPLICANT: Marx, Preston A.
; APPLICANT: Shaw, George M.
; APPLICANT: Smith, Stephen M.
; APPLICANT: Georges-Courbot, Marie Claude
; APPLICANT: Lu, Chang Yong
; TITLE OF INVENTION: Complete Genome Sequences of a Simian
; TITLE OF INVENTION: Immunodeficiency Virus from a Red-Capped
; TITLE OF INVENTION: Mangabey
; FILE REFERENCE: D6286
; CURRENT APPLICATION NUMBER: US/09/206,551B
; CURRENT FILING DATE: 1998-12-07
; NUMBER OF SEQ ID NOS: 58
; SEQ ID NO 19

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Query Match      12.2%; Score 65; DB 4; Length 852;
Best Local Similarity 19.2%; Pred. No. 32;
Matches 19; Conservative 20; Mismatches 38; Indels 22; Gaps 3;

QY      3  EVSRDHASLGDSETLSQTELEKKKKRKKRKFQ-ANCGIDFI-----IFWIFWI----- 51
      |  ::|  :  ::|  :  ::|  :  ::|  :  ::|  :  ::|  :  ::|  :  ::|  :
Db      351  ETIKNHPRYSGTTNISQIRLAEHARSSDPVRYMTNCRGEFLYCNMTFFLNWVENRTGL 410

QY      52  -----LLFSHHWIOESLLCPPSPKEVTCREMLT 79
      :  :  :  :  :  :  :  :  :  :  :  :  :  :  :
Db      411  KRNYASCHIROIVNTWHKIGRNVLPPREGELSCNSTVT 449

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RESULT 20
US-09-252-991A-20461
; Sequence 20461, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 20461
; LENGTH: 146
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-20461

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Query Match      12.0%; Score 64; DB 4; Length 146;
Best Local Similarity 48.3%; Pred. No. 5.4;
Matches 14; Conservative 2; Mismatches 13; Indels 0; Gaps 0;

QY      66 PPSPEVTCREMLTGGCLPWATRSHLGR 94
      ||| | | | | | | | | | | | | |
DB      24 PPAPCWTTTSSPITGGCWPPVRRSSGR 52

RESULT 21
US-09-134-001C-3830
; Sequence 3830, Application US/09134001C
; Patent No. 6380370
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
; TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GTC-007
; CURRENT APPLICATION NUMBER: US/09/134,001C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/064,964
; PRIOR FILING DATE: 1997-11-08
; PRIOR APPLICATION NUMBER: US 60/055,779
; PRIOR FILING DATE: 1997-08-14
; NUMBER OF SEQ ID NOS: 5674
; SEQ ID NO 3830
; LENGTH: 380
; TYPE: PRT
; ORGANISM: Staphylococcus epidermidis
US-09-134-001C-3830

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Query Match      12.0%; Score 64; DB 4; Length 380;
Best local similarity 29.4%; Pred. No. 16;
Matches 15; Conservative 9; Mismatches 25; Indels 2; Gaps 1;

QY      40  GIDFIIFWIFWILLFSSHWWIQESLLCPPSPKEVTCREMLTGGCLPWATRSH 90
      ||| ||||| : ||| : : : : : : : : : : : : : : : : : :
db      40  GSDFTSGWIFIDEEGHHDLVSSVDLPALSKNHCYLYLTNGSC--WCQVAY 88
      ||| ||||| : ||| : : : : : : : : : : : : : : : : : :

```

RESULT 22
US-09-215-694-15
; Sequence 15, Application US/09215694B
; Patent No. 6391583
; GENERAL INFORMATION:
; APPLICANT: Wisconsin Alumni Research Foundation
; APPLICANT: Hutchinson, Charles R.
; APPLICANT: Kennedy, Jonathan n.m.i
; APPLICANT: Park, Cheonseok n.m.i
; TITLE OF INVENTION: METHOD OF PRODUCING ANTIHYPERCHOLESTEROLEMIC AGENTS
; FILE REFERENCE: 960296.95718
; CURRENT APPLICATION NUMBER: US/09/215,694B
; CURRENT FILING DATE: 1999-12-18
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 15
; LENGTH: 488
; TYPE: PRT
; ORGANISM: Aspergillus terreus
US-09-215-694-15

Query Match	12.0%;	Score 64;	DB 4;	Length 488;
Best Local Similarity	26.6%;	Pred. No. 22;		
Matches 17;	Conservative 13;	Mismatches 24;	Indels 10;	Gaps 2;
QY	12	GDSE----	TLSTQLRKRRKKRKFQANGCIDFIIFWIFWILLFHHWQIESLLCP	66
		:	: : :	:
Db	4	GTESPNPATTSEGSQNEPEKKGRDIPLWRKCVTFVVSMTLVVTF	----	STCLLP 58
QY	67	PSPK 70		
		: :		
Db	59	AAPE 62		

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RESULT 23
US-09-252-991A-28306
; Sequence 28306, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252.991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 28306
; LENGTH: 728
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-28306

Query Match      11.7%; Score 62.5; DB 4; Length 728;
Best Local Similarity 23.4%; Pred. No. 52;
Matches 26; Conservative 14; Mismatches 32; Indels 39; Gaps 5;

QY 12 GDSETLSQTELKRRKKRERKFKQAN-----CGIDFIIF-----WIFWI 51
Db 368 GDFERQAGNVQLQRPDIYHTDNPQPSDSDPDGGCCGVLAIKRFHRSQESGWIFW- 426

QY 52 LLFSSHWI-----QESLLCPPSPKVEVTCR-----EMLTGGCLPWA 86
Db 427 --FRHEEVHRIWGGKPEKLLTIGPSGPRLTGRGSFEAWEEVVRGHSFWS 475

RESULT 24
US-09-292-071-31
; Sequence 31, Application US/09292071
; Patent No. 6107324
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic
; APPLICANT: Chalmers, Derrick
; TITLE OF INVENTION: No. 6107324-Endogenous, Constitutively Activated
; TITLE OF INVENTION: Human Serotonin Receptors and Small Molecule Modulators Thereof
; NUMBER OF SEQUENCES: 33
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arena Pharmaceuticals, Inc.
; STREET: 6166 Nancy Ridge Drive
; CITY: San Diego
; STATE: CA
; COUNTRY: USA
; ZIP: 92121
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/292,071
; FILING DATE: April 14, 1999
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Mark J. Rosen
; REGISTRATION NUMBER: 39,822
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (215) 564-6525
; TELEFAX: (215) 568-3439
; INFORMATION FOR SEQ ID NO: 31:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 478 amino acids
; TYPE: amino acid
; STRANDEDNESS:
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; TOPOLOGY: not relevant
; MOLECULE TYPE: protein
US-09-292-071-31

Query Match      11.7%; Score 62; DB 3; Length 478;
Best Local Similarity 24.7%; Pred. No. 37;
Matches 22; Conservative 16; Mismatches 33; Indels 18; Gaps 3;

QY 6 RDHASLGDSETLSQTELKRRKKR-----ERKFOQANGIDFIIFWIFWILLF 54
Db 289 RNTABEENSANPNQDNARRRRKKRRPRGTMQAINNERKASKVLGIVFFLFVVMWCPFF 348

QY 55 SHHWIQESLLCPPSPKVEVTCREMLTGGCL 83
Db 349 ITNIM--AVICKES-----CNEDVIGALL 370

RESULT 25
US-09-292-069A-31
; Sequence 31, Application US/09292069A
; Patent No. 6140509
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P
; APPLICANT: Chalmers, Derek T
; APPLICANT: Foster, Richard J
; APPLICANT: Glen, Robert C
; APPLICANT: Lawless, Michael S
; APPLICANT: Liaw, Chen W
; APPLICANT: Liu, Qian
; APPLICANT: Russo, Joseph F
; APPLICANT: Smith, Julian R
; APPLICANT: Thomsen, William J
; TITLE OF INVENTION: No. 6140509-Endogenous, Constitutively Activated Human
; TITLE OF INVENTION: Serotonin Receptors And Small Molecule Modulators
; TITLE OF INVENTION: Thereof
; FILE REFERENCE: AREN0033
; CURRENT APPLICATION NUMBER: US/09/292,069A
; CURRENT FILING DATE: 1999-04-14
; PRIOR APPLICATION NUMBER: 60/090,783
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: 60/112,909
; PRIOR FILING DATE: 1998-12-18
; PRIOR APPLICATION NUMBER: 60/123,000
; PRIOR FILING DATE: 1999-03-05
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 31
; LENGTH: 478
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: No. 6140509e1
; OTHER INFORMATION: Sequence
US-09-292-069A-31

Query Match      11.7%; Score 62; DB 3; Length 478;
Best Local Similarity 24.7%; Pred. No. 37;
Matches 22; Conservative 16; Mismatches 33; Indels 18; Gaps 3;

QY 6 RDHASLGDSETLSQTELKRRKKR-----ERKFOQANGIDFIIFWIFWILLF 54
Db 289 RNTABEENSANPNQDNARRRRKKRRPRGTMQAINNERKASKVLGIVFFLFVVMWCPFF 348

QY 55 SHHWIQESLLCPPSPKVEVTCREMLTGGCL 83
Db 349 ITNIM--AVICKES-----CNEDVIGALL 370

RESULT 26
US-09-767-013-31
; Sequence 31, Application US/09767013
; Patent No. 6420541
; GENERAL INFORMATION:
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; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/428,243
; FILING DATE: 18-SEP-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/10301
; FILING DATE: 27-OCT-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Altman, Daniel E.
; REGISTRATION NUMBER: 34,115
; REFERENCE/DOCKET NUMBER: NIH046.001VPC
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 714-760-0404
; TELEFAX: 714-760-9502
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 365 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-428-243-9

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Query Match 11.6%; Score 61.5; DB 2; Length 365;
Best Local Similarity 29.4%; Pred. No. 31;
Matches 25; Conservative 8; Mismatches 29; Indels 23; Gaps 5;

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QY 15 ETLSQLTELKRRKK----KRERKFOANGCIDFIIFWIFWILLFSSHWHWQESLLCPPSPK 70
Db 223 ECANLSRLKHKRKNISIFKREQKAATTLGIIVGFTVCWLPPF-----LLS----- 269

QY 71 EVTCREMLTG---GCLP-WATRSHL 91
Db 270 --TARPFICGTSCSCIPLWVERTFL 292

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RESULT 30
PCT-US93-10301-9
; Sequence 9, Application PC/TUS9310301
; GENERAL INFORMATION:
; APPLICANT: The United States of America, as represented by
; APPLICANT: the Secretary of Health and Human Services
; TITLE OF INVENTION: THE PCT-65 SEROTONIN RECEPTOR
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: KNOBBE, MARTENS, OLSON AND BEAR
; STREET: 620 NEWPORT CENTER DRIVE 16TH FLOOR
; CITY: NEWPORT BEACH
; STATE: CA
; COUNTRY: USA
; ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/10301
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Altman, Daniel E.
; REGISTRATION NUMBER: 34,115
; REFERENCE/DOCKET NUMBER: NIH046.001VPC
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 714-760-0404
; TELEFAX: 714-760-9502
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 365 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein

```

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PCT-US93-10301-9
Query Match 11.6%; Score 61.5; DB 5; Length 365;
Best Local Similarity 29.4%; Pred. No. 31;
Matches 25; Conservative 8; Mismatches 29; Indels 23; Gaps 5;

QY 15 ETLSQLTELKRRKK----KRERKFOANGCIDFIIFWIFWILLFSSHWHWQESLLCPPSPK 70
Db 223 ECANLSRLKHKRKNISIFKREQKAATTLGIIVGFTVCWLPPF-----LLS----- 269

QY 71 EVTCREMLTG---GCLP-WATRSHL 91
Db 270 --TARPFICGTSCSCIPLWVERTFL 292

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RESULT 31
US-07-996-772A-12
; Sequence 12, Application US/07996772A
; Patent No. 5472866
; GENERAL INFORMATION:
; APPLICANT: Gerald, Christophe
; APPLICANT: Hartig, Paul R.
; APPLICANT: Branchek, Theresa A.
; APPLICANT: Weinschank, Richard L.
; TITLE OF INVENTION: DNA ENCODING 5-HT4A SEROTONIN
; TITLE OF INVENTION: RECEPTORS AND USES THEREOF
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: COOPER & DUNHAM
; STREET: 30 ROCKEFELLER PLAZA
; CITY: NEW YORK
; STATE: NEW YORK
; ZIP: 10112
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.24
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/996,772A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: White, P., John
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 42667/JPW/TEP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 977-9550
; TELEFAX: (212) 664-0525
; TELEX: 422523 COOP UI
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 422 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; IMMEDIATE SOURCE:
; CLONE: HP78
US-07-996-772A-12

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Query Match 11.6%; Score 61.5; DB 1; Length 422;
Best Local Similarity 29.4%; Pred. No. 36;
Matches 25; Conservative 8; Mismatches 29; Indels 23; Gaps 5;

QY 15 ETLSQLTELKRRKK----KRERKFOANGCIDFIIFWIFWILLFSSHWHWQESLLCPPSPK 70
Db 278 ECANLSRLKHKRKNISIFKREQKAATTLGIIVGFTVCWLPPF-----LLS----- 324

QY 71 EVTCREMLTG---GCLP-WATRSHL 91
Db 325 --TARPFICGTSCSCIPLWVERTFL 347

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RESULT 32
US-08-157-185-2
; Sequence 2, Application US/08157185
; Patent No. 5985585
; GENERAL INFORMATION:
; APPLICANT: Bard A. Jonathan
; APPLICANT: Branchek A. Theresa
; APPLICANT: Weinshank L. Richard
; TITLE OF INVENTION: DNA ENCODING A HUMAN SEROTONIN
; TITLE OF INVENTION: RECEPTOR (5-HT4B) AND USES THEREOF
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooper & Dunham LLP
; STREET: 1185 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.24
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/157,185
; FILING DATE: 15-JUN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: White P., John
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 41908-A-PCT-US/JPW/MAT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 278-0400
; TELEFAX: (212) 391-0525
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 445 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-157-185-2

Query Match 11.6%; Score 61.5; DB 2; Length 445;
Best Local Similarity 29.4%; Pred. No. 39;
Matches 25; Conservative 8; Mismatches 29; Indels 23; Gaps 5;
QY 15 ETLSQLTELKKERKK---KRERKFOANGCIDFIIFWIFWILLFSHHWIOESLLCPPSPK 70
Db 301 ECANLSRLKKHERKNISIFKREQKAATTLGIIVGFTVCWLPFF-----LLS----- 347
QY 71 EVTCREMLTG---GCLP-WATRSHL 91
Db 348 --TARPFICGTSCSCIPLWVERTFL 370

RESULT 33
US-08-281-526B-2
; Sequence 2, Application US/08281526B
; Patent No. 6083749
; GENERAL INFORMATION:
; APPLICANT: Bard A. Jonathan
; APPLICANT: Branchek A. Theresa
; APPLICANT: Weinshank L. Richard
; TITLE OF INVENTION: DNA ENCODING A HUMAN SEROTONIN
; TITLE OF INVENTION: RECEPTOR (5-HT4B) AND USES THEREOF
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooper & Dunham LLP
; STREET: 1185 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.

ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.24
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/281,526B
; FILING DATE: 27-JUL-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: White P., John
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 41908-1/JPW
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 278-0400
; TELEFAX: (212) 391-0525
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 445 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-281-526B-2

Query Match 11.6%; Score 61.5; DB 3; Length 445;
Best Local Similarity 29.4%; Pred. No. 39;
Matches 25; Conservative 8; Mismatches 29; Indels 23; Gaps 5;
QY 15 ETLSQLTELKKERKK---KRERKFOANGCIDFIIFWIFWILLFSHHWIOESLLCPPSPK 70
Db 301 ECANLSRLKKHERKNISIFKREQKAATTLGIIVGFTVCWLPFF-----LLS----- 347
QY 71 EVTCREMLTG---GCLP-WATRSHL 91
Db 348 --TARPFICGTSCSCIPLWVERTFL 370

RESULT 34
US-09-450-797-2
; Sequence 2, Application US/09450797
; Patent No. 6300087
; GENERAL INFORMATION:
; APPLICANT: Bard et al, Jonathan A.
; TITLE OF INVENTION: DNA Encoding A Human Serotonin Receptor (5-HT4B) And
; TITLE OF INVENTION: Uses Thereof
; FILE REFERENCE: 41908-AB-PCT-US
; CURRENT APPLICATION NUMBER: US/09/450,797
; CURRENT FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: 09/332,837
; PRIOR FILING DATE: 1999-06-14
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 445
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-450-797-2

Query Match 11.6%; Score 61.5; DB 4; Length 445;
Best Local Similarity 29.4%; Pred. No. 39;
Matches 25; Conservative 8; Mismatches 29; Indels 23; Gaps 5;
QY 15 ETLSQLTELKKERKK---KRERKFOANGCIDFIIFWIFWILLFSHHWIOESLLCPPSPK 70
Db 301 ECANLSRLKKHERKNISIFKREQKAATTLGIIVGFTVCWLPFF-----LLS----- 347
QY 71 EVTCREMLTG---GCLP-WATRSHL 91
Db 348 --TARPFICGTSCSCIPLWVERTFL 370

RESULT 35

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US-09-328-314-16
; Sequence 16, Application US/09328314
; Patent No. 6331401
; GENERAL INFORMATION:
; APPLICANT: Gerald, Christophe
; APPLICANT: Hartig, Paul R.
; APPLICANT: Branchek, Theresa
; APPLICANT: Weinshank, Richard L.
; TITLE OF INVENTION: DNA Encoding 5-HT4 Serotonin Receptors And Uses Thereof
; FILE REFERENCE: 42667-AZ-PCT-US
; CURRENT APPLICATION NUMBER: US/09/328,314
; CURRENT FILING DATE: 1998-04-03
; EARLIER APPLICATION NUMBER: 08/446,822
; EARLIER FILING DATE: 1995-07-31
; EARLIER APPLICATION NUMBER: PCT/US93/12586
; EARLIER FILING DATE: 1993-12-22
; EARLIER APPLICATION NUMBER: 07/996,772
; EARLIER FILING DATE: 1992-12-24
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 16
; LENGTH: 445
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-09-328-314-16

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	Query Match	11.6%;	Score 61.5;	DB 4;	Length 445;
	Best Local Similarity	29.4%;	Pred. No. 39;		
	Matches 25; Conservative	8;	Mismatches 29;	Indels 23;	Gaps 5;
Qy	15	ETLSQTELKXKERKK----	KRERKFQANCgidfiifwtfwillfshhwioesllc	ppspk	70
Dd	301	ECANLSRLKLKHENKISIFKREQKAATLGIIVGAFVCLWLPFF-----LLS-----			347
Qy	71	EVTCREMLTG---GCLEP-WATRSHL	91		
Dd	348	--TARPFICGTSCSCIPLWVERTFL	370		

RESULT 36
US-09-450-790A-2
; Sequence 2, Application US/09450790A
; Patent No. 6376243
; GENERAL INFORMATION:
; APPLICANT: Bard, Jonathan A
; APPLICANT: Branchek, Theresa
; APPLICANT: Weinshank, Richard L
; TITLE OF INVENTION: DNA ENCODING A HUMAN SEROTONIN RECEPTOR (5HT4B) AND USES THEREOF
; FILE REFERENCE: 1795/419081A
; CURRENT APPLICATION NUMBER: US/09/450,790A
; CURRENT FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: 08/281,526
; PRIOR FILING DATE: 1994-07-27
; PRIOR APPLICATION NUMBER: 07/971,690
; PRIOR FILING DATE: 1992-11-03
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 445
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-09-450-790A-2

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Query Match      11.6%; Score 61.5; DB 4; Length 445;
Best Local Similarity 29.4%; Pred. No. 39;
Matches 25; Conservative 8; Mismatches 29; Indels 23; Gaps 5;

QY      15 ETLSQTELRRKKK---KRERKFQANCIDFIIPWIFWILLFHHWIQESLLCPPSPK 70
          | : | | | | | | | | | | | | | | | | | | | |
Db      301 ECANLSRLKHHERKNISIFKREOKAATTGLIIVGATVCWLPPF-----LLS----- 347
                                     | : | | | | | | | | | | | | | | | |

QY      71 EVTCREMLTG---GCLP-WATRSHL 91
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Db          348  --TARPFICGTSCSCIPLWVERTFL 370
RESULT 37
US-09-332-837-2
; Sequence 2, Application US/09332837
; Patent No. 6432655
; GENERAL INFORMATION:
; APPLICANT: Bard, Jonathan
; APPLICANT: Branchek, Theresa
; APPLICANT: Weinsbank, Richard
; TITLE OF INVENTION: Methods of Obtaining
; FILE REFERENCE: 41908-AA-PCT-US
; CURRENT APPLICATION NUMBER: US/09/332,83
; CURRENT FILING DATE: 1999-06-14
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 445
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-09-332-837-2

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Query Match 11.6%; Score 61.5; DB 4; Length 445;
 Best Local Similarity 29.4%; Pred. No. 39;
 Matches 25; Conservative 8; Mismatches 29; Indels 23; Gaps 5;

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Db      301  ECANLSRLKHERKNISIFKREQKAATTGIIVGAFTVCWLPPF-----LLS----- 347

Qy      71  EVTCREMLTG--GCLP-WATRSHL 91

Db     348  --TARPFICGTFSCCIPLWVERTFL 370

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RESULT 38
PCT-US93-10553-2
; Sequence 2, Application PC/TUS9310553
; GENERAL INFORMATION:
; APPLICANT: Bard A. Jonathan
; APPLICANT: Branchek A. Theresa
; APPLICANT: Weinshank L. Richard
; TITLE OF INVENTION: DNA ENCODING A HUMAN SEROTONIN
; TITLE OF INVENTION: RECEPTOR (5-HT4B) AND USES THEREOF
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooper & Dunham
; STREET: 30 Rockefeller Plaza
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10112
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.24
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/10553
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: White P., John
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 41908-A-PCT/JPW/TEP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 977-9550
; TELEFAX: (212) 315-1931
; TELEX: 422523 COOP UI
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 445 amino acids

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; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
PCT-US93-10553-2
Query Match 11.6%; Score 61.5; DB 5; Length 445;
Best Local Similarity 29.4%; Pred. No. 39;
Matches 25; Conservative 8; Mismatches 29; Indels 23; Gaps 5;
QY 15 ETLSTQELRKERKK---KREKPFQANCGIDFIIFWIFWILLFHHWQIESLLCPSPK 70
Db 301 ECANLSRLKKHERKNISIFPKREOKAATTLGIIVGAFTVCWLPFF-----LLS----- 347
QY 71 EVTCREMLTG---GCLP-WATRSHL 91
Db 348 --TARPFICGTSCSCIPLWVERTFL 370
; ORGANISM: Homo sapiens
; US-09-167-206-4
Query Match 11.5%; Score 61; DB 4; Length 641;
Best Local Similarity 22.7%; Pred. No. 67;
Matches 20; Conservative 4; Mismatches 24; Indels 40; Gaps 4;
QY 33 RKFOANCGIDFIIFWIFWILLF-----SHHWIQES-----LLCPP-- 67
Db 525 RKFTTESDV-----WSFGVVLWEIFTYKGQPWYQLSNTAIDCITQGRELERPRACPPEV 579
QY 68 -----SPKEVTCREMLTGGCLPW 85
Db 580 YAIMRGCWQREPSNATASRMCTPGCKPW 607
Search completed: October 28, 2003, 16:57:24
Job time : 26.8938 secs
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RESULT 39
US-08-924-629C-71
; Sequence 71, Application US/08924629C
; Patent No. 6403082
; GENERAL INFORMATION:
; APPLICANT: Stiles, Michael E.
; APPLICANT: Vederas, John C.
; APPLICANT: van Belkum, Marius J.
; APPLICANT: Worobo, Randy W.
; APPLICANT: Worobo, Rodney J.
; APPLICANT: Greer, G. Gordon
; APPLICANT: McMullen, Lynn M.
; APPLICANT: Leisner, Jorgen J.
; APPLICANT: Poon, Alision
; APPLICANT: Franz, Charles M.A.P.
; TITLE OF INVENTION: No. 6403082elBacteriocins, Transport and Vector System and Method
; FILE REFERENCE: 660.0005US
; CURRENT APPLICATION NUMBER: US/08/924,629C
; CURRENT FILING DATE: 1997-09-05
; PRIOR APPLICATION NUMBER: US 60/026,257
; PRIOR FILING DATE: 1996-09-05
; NUMBER OF SEQ ID NOS: 80
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 71
; LENGTH: 62
; TYPE: PRT
; ORGANISM: Pediocin PA1
US-08-924-629C-71
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Query Match 11.5%; Score 61; DB 4; Length 62;
Best Local Similarity 40.7%; Pred. No. 4.4;
Matches 11; Conservative 3; Mismatches 11; Indels 2; Gaps 1;
QY 70 KEVTCREMLTGGCLPWATRSHLGRKC 96
Db 38 KATTC--IINNGAMAWATGCHQGNHKC 62
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RESULT 40
US-09-167-206-4
; Sequence 4, Application US/09167206A
; Patent No. 6476193
; GENERAL INFORMATION:
; APPLICANT: Nandabalan, Krishnan
; APPLICANT: Schulz, Vincent P.
; APPLICANT: Yang, Meija
; TITLE OF INVENTION: Nlk1 PROTEIN AND Nlk1 PROTEIN COMPLEXES
; FILE REFERENCE: 15966-521 Nlk1 protein complexes
; CURRENT APPLICATION NUMBER: US/09/167,206A
; CURRENT FILING DATE: 1998-10-06
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 641
; TYPE: PRT
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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: October 28, 2003, 16:56:30 ; Search time 78.115 Seconds
(without alignments)
207.946 Million cell updates/sec

Title: US-09-854-133-586

Perfect score: 532

Sequence: 1 EVEVSRDHASLGDSLTSLT.....LTGGCLPWATRSHLGRKCS 97

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 629382 seqs, 167460630 residues

Total number of hits satisfying chosen parameters: 629382

Minimum DB seq length: 0
Maximum DB seq length: 20000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA:*

- 1: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep.*
- 5: /cgn2_6/ptodata/2/pubpaa/PCTUS_PUBCOMB.pep.*
- 6: /cgn2_6/ptodata/2/pubpaa/PCTUS_PUBCOMB.pep.*
- 7: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep.*
- 8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep.*
- 9: /cgn2_6/ptodata/2/pubpaa/US09A_PUBCOMB.pep.*
- 10: /cgn2_6/ptodata/2/pubpaa/US09B_PUBCOMB.pep.*
- 11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep.*
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- 18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	532	100.0	97	10	US-09-854-133-586
3	532	100.0	97	15	US-10-144-649A-586
4	532	100.0	114	15	US-10-144-649A-742
5	98	18.4	16	10	US-09-738-973-587
6	98	18.4	16	10	US-09-854-133-587
7	98	18.4	16	15	US-10-144-649A-587
8	80.5	15.1	119	11	US-09-892-877-400
9	80.5	15.1	119	11	US-09-948-783-400
10	71.5	13.4	163	15	US-10-106-698-6236
11	69.5	13.1	66	10	US-09-764-877-1089
12	68.5	12.9	116	12	US-10-074-511-107
13	68	12.8	423	10	US-09-903-396A-2
14	68	12.8	423	16	US-10-168-262-3
15	68	12.8	458	12	US-10-176-255-29

16	68	12.8	458	15	US-10-251-385-230	Sequence 230, App
17	67	12.6	458	12	US-10-176-255-27	Sequence 27, Appl
18	67	12.6	458	12	US-10-318-661-11	Sequence 11, Appl
19	67	12.6	458	15	US-10-251-385-126	Sequence 126, App
20	67	12.6	458	15	US-10-225-567A-16	Sequence 16, Appl
21	67	12.6	1601	10	US-09-862-027-40	Sequence 40, Appl
22	66.5	12.5	64	11	US-09-764-891-4290	Sequence 4290, Ap
23	66	12.4	369	9	US-09-838-955-3	Sequence 3, Appli
24	66	12.4	478	12	US-10-176-255-33	Sequence 33, Appl
25	66	12.4	673	15	US-10-157-031-291	Sequence 291, App
26	65	12.2	852	12	US-10-369-294-19	Sequence 19, Appl
27	64.5	12.1	173	11	US-09-866-050A-673	Sequence 673, App
28	64	12.0	487	10	US-09-801-368-24	Sequence 24, Appl
29	63.5	11.9	53	14	US-10-001-857-155	Sequence 155, App
30	62.5	11.7	150	9	US-09-864-761-38925	Sequence 38925, A
31	62.5	11.7	226	12	US-10-029-386-32977	Sequence 32977, A
32	62	11.7	478	12	US-10-176-255-31	Sequence 31, Appl
33	61.5	11.6	67	9	US-09-864-761-37546	Sequence 37546, A
34	61.5	11.6	432	11	US-09-877-843-41	Sequence 41, Appl
35	61.5	11.6	445	9	US-09-989-861-16	Sequence 16, Appl
36	61.5	11.6	445	11	US-09-877-843-39	Sequence 39, Appl
37	61.5	11.6	445	12	US-10-118-804-2	Sequence 2, Appli
38	61.5	11.6	445	15	US-10-225-567A-22	Sequence 22, Appl
39	61.5	11.6	479	11	US-09-877-843-40	Sequence 40, Appl
40	61.5	11.6	851	12	US-10-190-435-149	Sequence 149, App
41	61	11.5	62	11	US-09-883-343A-71	Sequence 71, Appl
42	61	11.5	641	15	US-10-242-943-4	Sequence 4, Appli
43	60.5	11.4	190	12	US-10-017-161-1844	Sequence 1844, Ap
44	60.5	11.4	309	15	US-10-060-795B-3	Sequence 3, Appli
45	60.5	11.4	448	11	US-09-877-843-43	Sequence 43, Appl

ALIGNMENTS

RESULT 1
US-09-738-973-586
; Sequence 586, Application US/09738973
; Patent No. US20020110563A1
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Fling, Steven P.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Algate, Paul A.
; APPLICANT: Secrist, Heather
; APPLICANT: Indrias, Carol Yoseph
; APPLICANT: Benson, Darin R.
; APPLICANT: Elliott, Mark
; APPLICANT: Mannion, Jane
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; FILE REFERENCE: 210121.475C9
; CURRENT APPLICATION NUMBER: US/09/738,973
; CURRENT FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 587
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 586
; LENGTH: 97
; TYPE: PRT
; ORGANISM: Homo sapiens

US-09-738-973-586
Query Match 100.0%; Score 532; DB 10; Length 97;
Best Local Similarity 100.0%; Pred. No. 2.8e-50;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 EVEVSRDHASLGDSLTSLTQTLRKKRKKRKFQANGCIDFIIFWIFLLFSHHWIQ 60
Db 1 EVEVSRDHASLGDSLTSLTQTLRKKRKKRKFQANGCIDFIIFWIFLLFSHHWIQ 60

QY 61 ESLCPSPPSPKEVTCREMLTGGCLPWATRSHLGRKCS 97
|||||
Db 61 ESLCPSPPSPKEVTCREMLTGGCLPWATRSHLGRKCS 97

RESULT 2
US-09-854-133-586
; Sequence 586, Application US/09854133
; Publication No. US20020183499A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Henderson, Robert A.
; APPLICANT: Benson, Darin R.
; APPLICANT: Secrist, Heather
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C10
; CURRENT APPLICATION NUMBER: US/09/854,133
; CURRENT FILING DATE: 2001-05-11
; NUMBER OF SEQ ID NOS: 735
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 586
; LENGTH: 97
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-854-133-586

Query Match 100.0%; Score 532; DB 10; Length 97;
Best Local Similarity 100.0%; Pred. No. 2.8e-50;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EVEVSRDHASLGDSETLSQTELKPKKKRERKFKQANCIDFIIFWIFWILLFSSHIIQ 60
|||||
Db 1 EVEVSRDHASLGDSETLSQTELKPKKKRERKFKQANCIDFIIFWIFWILLFSSHIIQ 60

QY 61 ESLCPSPPSPKEVTCREMLTGGCLPWATRSHLGRKCS 97
|||||
Db 61 ESLCPSPPSPKEVTCREMLTGGCLPWATRSHLGRKCS 97

RESULT 3
US-10-144-649A-586
; Sequence 586, Application US/10144649A
; Publication No. US20030118599A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Algate, Paul A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C11
; CURRENT APPLICATION NUMBER: US/10/144,649A
; CURRENT FILING DATE: 2002-08-21
; NUMBER OF SEQ ID NOS: 749
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 586
; LENGTH: 97
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-144-649A-586

Query Match 100.0%; Score 532; DB 15; Length 97;
Best Local Similarity 100.0%; Pred. No. 2.8e-50;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EVEVSRDHASLGDSETLSQTELKPKKKRERKFKQANCIDFIIFWIFWILLFSSHIIQ 60
|||||
Db 1 EVEVSRDHASLGDSETLSQTELKPKKKRERKFKQANCIDFIIFWIFWILLFSSHIIQ 60

QY 61 ESLCPSPPSPKEVTCREMLTGGCLPWATRSHLGRKCS 97

Db 61 ESLCPSPPSPKEVTCREMLTGGCLPWATRSHLGRKCS 97
|||||

RESULT 4
US-10-144-649A-742
; Sequence 742, Application US/10144649A
; Publication No. US20030118599A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Algate, Paul A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C11
; CURRENT APPLICATION NUMBER: US/10/144,649A
; CURRENT FILING DATE: 2002-08-21
; NUMBER OF SEQ ID NOS: 749
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 742
; LENGTH: 114
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-144-649A-742

Query Match 100.0%; Score 532; DB 15; Length 114;
Best Local Similarity 100.0%; Pred. No. 3.3e-50;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EVEVSRDHASLGDSETLSQTELKPKKKRERKFKQANCIDFIIFWIFWILLFSSHIIQ 60
|||||
Db 18 EVEVSRDHASLGDSETLSQTELKPKKKRERKFKQANCIDFIIFWIFWILLFSSHIIQ 77

QY 61 ESLCPSPPSPKEVTCREMLTGGCLPWATRSHLGRKCS 97
|||||
Db 78 ESLCPSPPSPKEVTCREMLTGGCLPWATRSHLGRKCS 114

RESULT 5
US-09-738-973-587
; Sequence 587, Application US/09738973
; Patent No. US20020110563A1
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Fling, Steven P.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Algate, Paul A.
; APPLICANT: Secrist, Heather
; APPLICANT: Indirias, Carol Yoseph
; APPLICANT: Benson, Darin R.
; APPLICANT: Elliot, Mark
; APPLICANT: Mannion, Jane
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C9
; CURRENT APPLICATION NUMBER: US/09/738,973
; CURRENT FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 587
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 587
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-738-973-587

Query Match 18.4%; Score 98; DB 10; Length 16;
Best Local Similarity 100.0%; Pred. No. 0.00051;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;


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; PRIOR FILING DATE: 1998-05-18
; PRIOR APPLICATION NUMBER: 60/085,921
; PRIOR FILING DATE: 1998-05-18
; PRIOR APPLICATION NUMBER: 60/085,923
; PRIOR FILING DATE: 1998-05-18
; PRIOR APPLICATION NUMBER: 60/085,925
; PRIOR FILING DATE: 1998-05-18
; PRIOR APPLICATION NUMBER: 60/085,928
; PRIOR FILING DATE: 1998-05-18
; PRIOR APPLICATION NUMBER: 60/085,920
; PRIOR FILING DATE: 1998-05-18
; NUMBER OF SEQ ID NOS: 465
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 400
; LENGTH: 119
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (46)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (52)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (110)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-948-783-400

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```

Query Match      15.1%; Score 80.5; DB 11; Length 119;
Best Local Similarity 27.4%; Pred. No. 0.35;
Matches 29; Conservative 9; Mismatches 21; Indels 47; Gaps 5;

QY 1 EVEVSRDHASL-----GDSETLSQTELKRRKFKQANCIDFIIFWIFWILLFSH 56
Db 33 EVAVSRDHTIALQXGQSKXLSQ-----KKEKKYVLNA--TFLNFYF----- 72

QY 57 HWIQESLLCPPSPKVTCTREMLTGGCLPWA-----TRSHLGRKC 96
Db 73 -----CRDKVLLCCPGWSHIVGLKQSSHLGLRKC 101

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RESULT 10
US-10-106-698-6236
; Sequence 6236, Application US/10106698
; Publication No. US20030109690A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide
; FILE REFERENCE: PA005P1
; CURRENT APPLICATION NUMBER: US/10/106,698
; PRIOR FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: PCT/US00/26524
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: US 60/157,137
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: US 60/163,280
; NUMBER OF SEQ ID NOS: 8564
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 6236
; LENGTH: 163
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-106-698-6236

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Query Match      13.4%; Score 71.5; DB 15; Length 163;
Best Local Similarity 38.6%; Pred. No. 4.6;
Matches 22; Conservative 5; Mismatches 9; Indels 21; Gaps 4;

QY 10 SLGD-SETLSQTELKRRKFKQANCIDFIIFWIFWILLFSHHWIOESLLC 65
Db 11 SLGDKSETLSP-----KKKKKKKN-----WIAW--LYSGHSMQAFCC 47

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RESULT 11
US-09-764-877-1089
; Sequence 1089, Application US/09764877
; Patent No. US20020147140A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC005
; CURRENT APPLICATION NUMBER: US/09/764,877
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 4031
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1089
; LENGTH: 66
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-764-877-1089

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Query Match      13.1%; Score 69.5; DB 10; Length 66;
Best Local Similarity 50.0%; Pred. No. 2.9;
Matches 19; Conservative 5; Mismatches 7; Indels 7; Gaps 2;

QY 1 EVEVSRDHASL-----GDSETLSQTELKRRKFKQANCIDFIIFWIFWILLFSH 34
Db 5 EAAVSCDHAGVLQPGQHSLSQ---NKKERKEKRRK 39

```

```

RESULT 12
US-10-074-511-107
; Sequence 107, Application US/10074511
; Publication No. US20030176672A1
; GENERAL INFORMATION:
; APPLICANT: Salceda, Susana
; APPLICANT: Macina, Roberto
; APPLICANT: Hu, Ping
; APPLICANT: Recipon, Herve
; APPLICANT: Karra, Kalpana
; APPLICANT: Cafferkey, Robert
; APPLICANT: Liu, Chenghua
; APPLICANT: Sun, Yongming
; TITLE OF INVENTION: Compositions and Methods Relating to Breast Specific Genes and
; FILE REFERENCE: DEX-0314
; CURRENT APPLICATION NUMBER: US/10/074,511
; CURRENT FILING DATE: 2002-02-12
; PRIOR APPLICATION NUMBER: 60/268,289
; PRIOR FILING DATE: 2001-02-13
; NUMBER OF SEQ ID NOS: 110
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 107
; LENGTH: 116
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-074-511-107

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Query Match      12.9%; Score 68.5; DB 12; Length 116;
Best Local Similarity 28.6%; Pred. No. 6.7;
Matches 22; Conservative 8; Mismatches 18; Indels 29; Gaps 3;

QY 17 LSQTELKRRKFKQANCIDFIIFWIFWILLFSHH-----WIOE 61
Db 40 LSPPNKKKKKKKNPPFF-----FFFFFLFFFFFAHNKLLGERWLMGGKIWIQE 92

QY 62 SLLC-----PPSPKE 71
Db 93 SSILALALSPNPPSLPE 109

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RESULT 13
US-09-903-396A-2
; Sequence 2, Application US/09903396A

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US-10-251-385-230

Query Match 12.8%; Score 68; DB 15; Length 458;
 Best Local Similarity 27.4%; Pred. No. 33;
 Matches 23; Conservative 15; Mismatches 28; Indels 18; Gaps 3;
 QY 6 RDHASLGDSETLSQTELKRRKKR-----ERKFAQNCGIDFIIFWIFWILLF 54
 Db 269 RNTAEENSANPNQDNARRKKRRPRGTMQAINNERKAKKVLGIVFFVFLIMWCPFF 328
 QY 55 SHHWIQESLLCPPSPKEVTCREML 78
 Db 329 ITNIL--SVLC-----EKSCNQKL 345

RESULT 17
 US-10-176-255-27
 ; Sequence 27, Application US/10176255
 ; Publication No. US20030153004A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Behan, Dominic P.
 ; APPLICANT: Chalmers, Derek T.
 ; APPLICANT: Liaw, Chen W.
 ; APPLICANT: Russo, Joseph F.
 ; APPLICANT: Thomsen, William J.
 ; TITLE OF INVENTION: No. US20030153004A1-Endogenous, Constitutively Activated Human Se
 ; TITLE OF INVENTION: Small Molecule Modulators Thereof
 ; FILE REFERENCE: AREN-0328
 ; CURRENT APPLICATION NUMBER: US/10/176,255
 ; CURRENT FILING DATE: 2002-06-19
 ; PRIOR APPLICATION NUMBER: 09/060,188
 ; PRIOR FILING DATE: 1998-04-14
 ; PRIOR APPLICATION NUMBER: 09/767,013
 ; PRIOR FILING DATE: 2000-12-22
 ; PRIOR APPLICATION NUMBER: 09/292,072
 ; PRIOR FILING DATE: 1999-04-14
 ; NUMBER OF SEQ ID NOS: 33
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 27
 ; LENGTH: 458
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-176-255-27

Query Match 12.6%; Score 67; DB 12; Length 458;
 Best Local Similarity 27.4%; Pred. No. 43;
 Matches 23; Conservative 14; Mismatches 29; Indels 18; Gaps 3;
 QY 6 RDHASLGDSETLSQTELKRRKKR-----ERKFAQNCGIDFIIFWIFWILLF 54
 Db 269 RNTAEENSANPNQDNARRKKRRPRGTMQAINNERKAKKVLGIVFFVFLIMWCPFF 328
 QY 55 SHHWIQESLLCPPSPKEVTCREML 78
 Db 329 ITNIL--SVLC-----EKSCNQKL 345

RESULT 18
 US-10-318-661-11
 ; Sequence 11, Application US/10318661
 ; Publication No. US20030167476A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Conklin, Bruce R.
 ; TITLE OF INVENTION: Selective Target Cell Activation By
 ; TITLE OF INVENTION: Expression of A G Protein-Coupled Receptor Activated
 ; TITLE OF INVENTION: Superiorly By Synthetic Ligand
 ; FILE REFERENCE: UCAL-049CIP2
 ; CURRENT APPLICATION NUMBER: US/10/318,661
 ; CURRENT FILING DATE: 2003-05-05
 ; PRIOR APPLICATION NUMBER: US 09/341,446
 ; PRIOR FILING DATE: 1999-12-20
 ; PRIOR APPLICATION NUMBER: PCT/US97/05334
 ; PRIOR FILING DATE: 1997-03-25

; PRIOR APPLICATION NUMBER: US 08/622,348
 ; PRIOR FILING DATE: 1996-03-26
 ; NUMBER OF SEQ ID NOS: 28
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 11
 ; LENGTH: 458
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-318-661-11

Query Match 12.6%; Score 67; DB 12; Length 458;
 Best Local Similarity 27.4%; Pred. No. 43;
 Matches 23; Conservative 14; Mismatches 29; Indels 18; Gaps 3;
 QY 6 RDHASLGDSETLSQTELKRRKKR-----ERKFAQNCGIDFIIFWIFWILLF 54
 Db 269 RNTAEENSANPNQDNARRKKRRPRGTMQAINNERKAKKVLGIVFFVFLIMWCPFF 328
 QY 55 SHHWIQESLLCPPSPKEVTCREML 78
 Db 329 ITNIL--SVLC-----EKSCNQKL 345

RESULT 19
 US-10-251-385-126
 ; Sequence 126, Application US/10251385
 ; Publication No. US20030105292A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Behan, Dominic P.
 ; APPLICANT: Chalmers, Derek T.
 ; APPLICANT: Liaw, Chen W.
 ; TITLE OF INVENTION: No. US20030105292A1-Endogenous, Constitutively Activated Human
 ; TITLE OF INVENTION: Protein-Coupled
 ; TITLE OF INVENTION: Receptors
 ; FILE REFERENCE: AREN-0040
 ; CURRENT APPLICATION NUMBER: US/10/251,385
 ; CURRENT FILING DATE: 2002-09-20
 ; PRIOR APPLICATION NUMBER: US/09/170,496
 ; PRIOR FILING DATE: 1998-10-13
 ; NUMBER OF SEQ ID NOS: 294
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 126
 ; LENGTH: 458
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-251-385-126

Query Match 12.6%; Score 67; DB 15; Length 458;
 Best Local Similarity 27.4%; Pred. No. 43;
 Matches 23; Conservative 14; Mismatches 29; Indels 18; Gaps 3;
 QY 6 RDHASLGDSETLSQTELKRRKKR-----ERKFAQNCGIDFIIFWIFWILLF 54
 Db 269 RNTAEENSANPNQDNARRKKRRPRGTMQAINNERKAKKVLGIVFFVFLIMWCPFF 328
 QY 55 SHHWIQESLLCPPSPKEVTCREML 78
 Db 329 ITNIL--SVLC-----EKSCNQKL 345

RESULT 20
 US-10-225-567A-16
 ; Sequence 16, Application US/10225567A
 ; Publication No. US20030113798A1
 ; GENERAL INFORMATION:
 ; APPLICANT: LifeSpan Biosciences
 ; APPLICANT: Brown, Joseph P.
 ; APPLICANT: Burmer, Glenna C.
 ; APPLICANT: Roush, Christine L.
 ; TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTC
 ; FILE REFERENCE: 1920-4-4
 ; CURRENT APPLICATION NUMBER: US/10/225,567A
 ; CURRENT FILING DATE: 2001-12-19


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; PRIOR APPLICATION NUMBER: 60/257,144
; PRIOR FILING DATE: 2000-12-19
; NUMBER OF SEQ ID NOS: 2292
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 16
; LENGTH: 458
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-225-567A-16

Query Match      12.6%; Score 67; DB 15; Length 458;
Best Local Similarity 27.4%; Pred. No. 43;
Matches 23; Conservative 14; Mismatches 29; Indels 18; Gaps 3;

QY      6 RDHASLGDSETLSQTELKRRKKR-----ERKFOANCGIDFIIFWIFWILLF 54
      | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db      269 RNTAEENSANPNQDNARRRKKRRPRGTMQAINNERKASKVLGIVFFVFLIMWCPFF 328
      | : | : | : | : | : | : | : | : | : | : | : | : | : | : |

QY      55 SHHWIQESLLCPPSPKEVTCREML 78
      : : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db      329 ITNIL--SVLC-----EKSCNQKL 345

RESULT 21
US-09-862-027-40
; Sequence 40, Application US/09862027
; Patent No. US20020142428A1
; GENERAL INFORMATION:
; APPLICANT: Hodge, Martin R.
; TITLE OF INVENTION: No. US20020142428A1el Kinases and Uses Thereof
; FILE REFERENCE: 35800/234862
; CURRENT APPLICATION NUMBER: US/09/862,027
; CURRENT FILING DATE: 2001-05-21
; PRIOR APPLICATION NUMBER: US 09/345,473
; PRIOR FILING DATE: 1999-06-30
; NUMBER OF SEQ ID NOS: 82
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 40
; LENGTH: 1601
; TYPE: PRT
; ORGANISM: C. elegans
US-09-862-027-40

Query Match      12.6%; Score 67; DB 10; Length 1601;
Best Local Similarity 33.3%; Pred. No. 1.6e+02;
Matches 14; Conservative 9; Mismatches 19; Indels 0; Gaps 0;

QY      2 VEVSRDHASLGDSETLSQTELKRRKKRKKRKFQANCGIDF 43
      ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||
Db      367 VEIKNRDADLNDLNVIEIQMLRVYDEKKRKYRFKENEGLOF 408

RESULT 22
US-09-764-891-4290
; Sequence 4290, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC006
; CURRENT APPLICATION NUMBER: US/09/764,891
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4290
; LENGTH: 64
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (1)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
```

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; NAME/KEY: SITE
; LOCATION: (43)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (45)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-764-891-4290

Query Match      12.5%; Score 66.5; DB 11; Length 64;
Best Local Similarity 40.0%; Pred. No. 5.9;
Matches 18; Conservative 8; Mismatches 12; Indels 7; Gaps 2;

QY      1 EVEVSRDHASL---GDSETLSQTELKRRKKRKKRKFQANCGI 41
      ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||
Db      12 EVAASHDHATALQTGRQNETLSQ---KKKKKKRKKKKKPSLIHGL 53

RESULT 23
US-09-838-955-3
; Sequence 3, Application US/09838955
; Patent No. US20020056152A1
; GENERAL INFORMATION:
; APPLICANT: Kelly, James D
; APPLICANT: Melotto, Maeli
; TITLE OF INVENTION: DNA Encoding For A Disease Resistance Gene From Common
; TITLE OF INVENTION: Bean and Methods of Use
; FILE REFERENCE: 6550-000044
; CURRENT APPLICATION NUMBER: US/09/838,955
; CURRENT FILING DATE: 2001-04-20
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 369
; TYPE: PRT
; ORGANISM: Phaseolus vulgaris
US-09-838-955-3

Query Match      12.4%; Score 66; DB 9; Length 369;
Best Local Similarity 24.4%; Pred. No. 43;
Matches 21; Conservative 15; Mismatches 40; Indels 10; Gaps 3;

QY      8 HASLGDSETLSQTELKK---ERKKRKRKFQANCGIDFIIFWIFWILLFS---HH-- 57
      | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db      167 HCILPGTIVLLDDQMEPKLAGFDASEQGSRFMSKQKQINVIWVIFVLLYELTHCHDFL 226
      ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||
QY      58 WIQESLLCPPSPKEVTCREMLTGGCL 83
      ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||: ||
Db      227 WIKLSLLFVIGRCGYTATDYLMDGII 252

RESULT 24
US-10-176-255-33
; Sequence 33, Application US/10176255
; Publication No. US20030153004A1
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Russo, Joseph F.
; APPLICANT: Thomsen, William J.
; TITLE OF INVENTION: No. US20030153004A1-Endogenous, Constitutively Activated Human
; TITLE OF INVENTION: Small Molecule Modulators Thereof
; FILE REFERENCE: AREN-0328
; CURRENT APPLICATION NUMBER: US/10/176,255
; CURRENT FILING DATE: 2002-06-19
; PRIOR APPLICATION NUMBER: 09/060,188
; PRIOR FILING DATE: 1998-04-14
; PRIOR APPLICATION NUMBER: 09/767,013
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 09/292,072
; PRIOR FILING DATE: 1999-04-14
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn version 3.1
```

```
; SEQ ID NO 33
; LENGTH: 478
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic construct
US-10-176-255-33

Query Match      12.4%; Score 66; DB 12; Length 478;
Best Local Similarity 25.8%; Pred. No. 57;
Matches 23; Conservative 16; Mismatches 32; Indels 18; Gaps 3;

QY      6 RDHASLGDSETLSQTELKRRKKR-----ERKFOANGCIDFIIFWIFWILLF 54
Db      289 RNTAEENSANPNQDNARRRKKRRPRGTWQAINNERKAKKVLGIVFFVFLIMWCPEF 348
QY      55 SHHWIQESLLCPPSPKEVTCREMLTGGCL 83
Db      349 ITNIM--AVICKES-----CNEDVIGALL 370

RESULT 25
US-10-157-031-291
; Sequence 291, Application US/10157031
; Publication No. US2003010890A1
; GENERAL INFORMATION:
; APPLICANT: Baranova, A. V.
; APPLICANT: Yankovsky, N. K.
; APPLICANT: Kozlov, A. P.
; APPLICANT: Lobashev, A. V.
; APPLICANT: Krukovskaya, L. L.
; TITLE OF INVENTION: In silico screening for phenotype-associated expressed sequences
; FILE REFERENCE: 2760-103
; CURRENT APPLICATION NUMBER: US/10/157,031
; CURRENT FILING DATE: 2002-05-30
; NUMBER OF SEQ ID NOS: 415
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 291
; LENGTH: 673
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(673)
; OTHER INFORMATION: X = unknown
US-10-157-031-291

Query Match      12.4%; Score 66; DB 15; Length 673;
Best Local Similarity 21.3%; Pred. No. 83;
Matches 19; Conservative 17; Mismatches 31; Indels 22; Gaps 3;

QY      9 ASLGDSETLSQTELKRRKKRKFQANGCIDFIIFWIFWILLFSHHWIQESLLCPPS 68
Db      310 AGVSEQGPISKTKTKQKKKKNPQKQXXFC-----FWGFFFFFCFVFVEIGPCSDT 363
QY      69 PKEVTCREMLTGGCLPWATFSLGRRKCS 97
Db      364 PAGV-----QWQVLAH-----CS 376

RESULT 26
US-10-369-294-19
; Sequence 19, Application US/10369294
; Publication No. US20030162170A1
; GENERAL INFORMATION:
; APPLICANT: Hahn, Beatrice H.
; APPLICANT: Gao, Feng
; APPLICANT: Marx, Preston A.
; APPLICANT: Shaw, George M.
; APPLICANT: Smith, Stephen M.
; APPLICANT: Georges-Courbot, Marie Claude
; APPLICANT: Lu, Chang Yong
; TITLE OF INVENTION: Complete Genome Sequences of a Simian
```

```
; TITLE OF INVENTION: Immunodeficiency Virus from a Red-Capped
; TITLE OF INVENTION: Mangabey
; FILE REFERENCE: D6286D
; CURRENT APPLICATION NUMBER: US/10/369,294
; CURRENT FILING DATE: 2003-02-18
; PRIOR APPLICATION NUMBER: US 09/206,551
; PRIOR FILING DATE: 1998-12-07
; NUMBER OF SEQ ID NOS: 58
; SEQ ID NO 19
; LENGTH: 852
; TYPE: PRT
; ORGANISM: Simian immunodeficiency virus
; FEATURE:
; OTHER INFORMATION: Amino acid sequence of homologous region of
; OTHER INFORMATION: B_EHO lentiviral env protein
US-10-369-294-19
```

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Query Match      12.2%; Score 65; DB 12; Length 852;
Best Local Similarity 19.2%; Pred. No. 1.4e+02;
Matches 19; Conservative 20; Mismatches 38; Indels 22; Gaps 3;
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```
QY      3 EVSRDHASLGDSETLSQTELKRRKKRKFQ-ANCGIDFI-----IFWIFW----- 51
Db      351 ETIKNHPRYSGTTNISQIRLAEHARSSDPEVRYMWTNCRGEFLYCNMTFFLNWVENRTGL 410
QY      52 -----LLFSHHWIQESLLCPPSPKEVTCREMLT 79
Db      411 KRYASCHIRQIVNTWHKIGRNVLPPEGELSNCSTVT 449
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```
RESULT 27
US-09-866-050A-673
; Sequence 673, Application US/09866050A
; Publication No. US20030040471A1
; GENERAL INFORMATION:
; APPLICANT: Watson, James D.
; APPLICANT: Strachan, Lorna
; APPLICANT: Sleeman, Matthew
; APPLICANT: Onrust, Rene
; APPLICANT: Murison, James G.
; APPLICANT: Kumble, Krishanand D.
; TITLE OF INVENTION: Compositions Isolated From Skin Cells
; TITLE OF INVENTION: and Methods for Their Use
; FILE REFERENCE: 11000.1011c4U
; CURRENT APPLICATION NUMBER: US/09/866,050A
; CURRENT FILING DATE: 2001-05-24
; NUMBER OF SEQ ID NOS: 725
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 673
; LENGTH: 173
; TYPE: PRT
; ORGANISM: Mouse
US-09-866-050A-673
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Query Match      12.1%; Score 64.5; DB 11; Length 173;
Best Local Similarity 50.0%; Pred. No. 28;
Matches 14; Conservative 7; Mismatches 2; Indels 5; Gaps 1;
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QY      7 DHASLGDSETLSQTELKRRKKRKKR 34
Db      30 DH-----SEPEARTELQKKKKKKRKK 52
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RESULT 28
US-09-801-368-24
; Sequence 24, Application US/09801368
; Patent No. US20020128250A1
; GENERAL INFORMATION:
; APPLICANT: Busby, Robert
; APPLICANT: Cali, Brian
; APPLICANT: Hecht, Peter
; APPLICANT: Holtzman, Doug
; APPLICANT: Madden, Kevin
```


10


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; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC009930.2
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.2
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.8
; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 0.94
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.2
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.2
; OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 1.1
; OTHER INFORMATION: EST HUMAN HIT: AA679230.1, EVALUAE 4.00e-05
; OTHER INFORMATION: SWISSPROT HIT: P17886, EVALUAE 1.10e+00
US-09-864-761-37546

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Query Match	11.6%;	Score 61.5;	DB 9;	Length 67;
Best Local Similarity	36.4%;	Pred. No. 22;		
Matches 16;	Conservative	9;	Mismatches 16;	Indels 3;
				Gaps 1;

QY: 1 EVEVSRDHASLGSDSETLSQTELKRRKKRERKFQANCIDFI 44
|::|||{|}:::||:||||:|::|
Db 9 EIKTSPDKHLRD---ITDTRLFLOERKKERPQONTQENRGAEWI 49

```

RESULT 34
US-09-877-843-41
; Sequence 41, Application US/09877843
; Publication No. US20030073622A1
; GENERAL INFORMATION:
; APPLICANT: Majumder, Kumud
; APPLICANT: Spytek, Kimberly A
; APPLICANT: Tchernev, Velizar T
; APPLICANT: Colman, Steven D
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Zerhusen, Bryan
; APPLICANT: Gusev, Vladimir
; APPLICANT: Burgess, Catherine
; APPLICANT: Li, Li
; APPLICANT: Malyankar, Uriel M
; APPLICANT: Gangolli, Esha
; APPLICANT: Stone, David
; APPLICANT: MacDougall, John
; APPLICANT: Smithson, Glennda
; APPLICANT: Ellerman, Karen
; TITLE OF INVENTION: No. US20030073622A1el Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-031

```

```

; CURRENT APPLICATION NUMBER: US/09/877,843
; CURRENT FILING DATE: 2001-06-07
; PRIOR APPLICATION NUMBER: 60/209,927
; PRIOR FILING DATE: 2000-06-07
; PRIOR APPLICATION NUMBER: 60/210,091
; PRIOR FILING DATE: 2000-06-07
; PRIOR APPLICATION NUMBER: 60/209,928
; PRIOR FILING DATE: 2000-06-07
; PRIOR APPLICATION NUMBER: 60/210,208
; PRIOR FILING DATE: 2000-06-08
; PRIOR APPLICATION NUMBER: 60/210,425
; PRIOR FILING DATE: 2000-06-08
; PRIOR APPLICATION NUMBER: 60/214,150
; PRIOR FILING DATE: 2000-06-26
; PRIOR APPLICATION NUMBER: 60/214,023
; PRIOR FILING DATE: 2000-06-26
; PRIOR APPLICATION NUMBER: 60/215,005
; PRIOR FILING DATE: 2000-06-29
; PRIOR APPLICATION NUMBER: 60/270,060
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/271,623
; PRIOR FILING DATE: 2001-02-26
; PRIOR APPLICATION NUMBER: 60/278,915
; PRIOR FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 97

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; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 41
; LENGTH: 432
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-877-843-41

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```

Query Match      11.6%; Score 61.5; DB 11; Length 432;
Best Local Similarity 29.4%; Pred. No. 1.6e+02;
Matches 25; Conservative 8; Mismatches 29; Indels 23; Gaps 5;

Y      15  ETLSQTELKRRKK---KRERKFQANGCIDFIIFWIFWILLFSSHWWIQESLLCPSPK 70
      | : | | | | | | | | | | | | | | | | | | | | | | | | | |
b     301  ECANLSRLKKHERKNISIFKREOKAATTLGIIVCAFTVCWLPIFF-----LLS----- 347

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```
QY      71 EVTCREMLTG---GCLP-WATRSHL 91
        | | : | | | | | | |
Db     348 --TARPFICGTSCSICPLWVERTFL 370
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RESULT 35
US-09-989-861-16
; Sequence 16, Application US/09989861
; Patent No. US20020081661A1
; GENERAL INFORMATION:
; APPLICANT: Gerald, Christophe
; APPLICANT: Hartig, Paul R.
; APPLICANT: Branchek, Theresa
; APPLICANT: Weinschank, Richard L.
; TITLE OF INVENTION: DNA Encoding 5-HT4 Serotonin Receptors And Uses
; TITLE OF INVENTION: Thereof
; FILE REFERENCE: 42667-AZ-PCT-US
; CURRENT APPLICATION NUMBER: US/09/989,861
; CURRENT FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/328,314
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-03
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: PCT/US93/1258
; PRIOR FILING DATE: EARLIER FILING DATE: 1993-12-22
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 07/996,772
; PRIOR FILING DATE: EARLIER FILING DATE: 1992-12-24
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 16
; LENGTH: 445
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-09-989-861-16

Query Match	11.6%;	Score 61.5;	DB 9;	Length 445;
Best Local Similarity	29.4%;	Pred. No. 1.6e+02;		
Matches 25; Conservative	8;	Mismatches 29;	Indels 23;	Gaps 5;
QY	15	ETLSQTELKKERKK----	KRERKFOANGCIDFIIFWIFWILLFSHHWIOBSLLCPPSPK	70
		:		
Db	301	ECANLSRLKKHERKNISIFKREQKAAATLGIIVGAFTVCWLPIFF-----LLS-----		347
QY	71	EVTCREMLTG---GCLP-WATRSHL	91	
		:		
Db	348	--TARPFICGTSCSCIPLWVERTEL	370	

RESULT 36
US-09-877-843-39
; Sequence 39, Application US/098777843
; Publication No. US20030073622A1
; GENERAL INFORMATION:
; APPLICANT: Majumder, Kumud
; APPLICANT: Spytek, Kimberly A
; APPLICANT: Tchernev, Velizar T
; APPLICANT: Colman, Steven D
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Zerhusen, Bryan
; APPLICANT: Gusev, Vladimir


```

; APPLICANT: Burgess, Catherine
; APPLICANT: Li, Li
; APPLICANT: Malyankar, Uriel M
; APPLICANT: Gangolli, Esha
; APPLICANT: Stone, David
; APPLICANT: MacDougall, John
; APPLICANT: Smithson, Glennda
; APPLICANT: Ellerman, Karen
; TITLE OF INVENTION: No. US20030073622A1el Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-031
; CURRENT APPLICATION NUMBER: US/09/877,843
; CURRENT FILING DATE: 2001-06-07
; PRIOR APPLICATION NUMBER: 60/209,927
; PRIOR FILING DATE: 2000-06-07
; PRIOR APPLICATION NUMBER: 60/210,091
; PRIOR FILING DATE: 2000-06-07
; PRIOR APPLICATION NUMBER: 60/209,928
; PRIOR FILING DATE: 2000-06-07
; PRIOR APPLICATION NUMBER: 60/210,208
; PRIOR FILING DATE: 2000-06-08
; PRIOR APPLICATION NUMBER: 60/210,425
; PRIOR FILING DATE: 2000-06-08
; PRIOR APPLICATION NUMBER: 60/214,150
; PRIOR FILING DATE: 2000-06-26
; PRIOR APPLICATION NUMBER: 60/214,023
; PRIOR FILING DATE: 2000-06-26
; PRIOR APPLICATION NUMBER: 60/215,005
; PRIOR FILING DATE: 2000-06-29
; PRIOR APPLICATION NUMBER: 60/270,060
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/271,623
; PRIOR FILING DATE: 2001-02-26
; PRIOR APPLICATION NUMBER: 60/278,915
; PRIOR FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 97
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 39
; LENGTH: 445
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-877-843-39

Query Match      11.6%; Score 61.5; DB 11; Length 445;
Best Local Similarity 29.4%; Pred. No. 1.6e+02;
Matches 25; Conservative 8; Mismatches 29; Indels 23; Gaps 5;

QY      15  ETLSQLRKKKKK---KRRKFKQANCIDFIIFWIFWILLFSHHWQESLLCPPSPK 70
      |  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :
Db      301 ECANLSRLKKHERKNISIFKREQKAATTLGIIVGATVCWLPPF-----LLS----- 347

QY      71  EVTCREMLTG---GCLP-WATRSHL 91
      |  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :
Db      348 --TARPFICGTSCSCIPLWVERTFL 370

RESULT 37
US-10-118-804-2
; Sequence 2, Application US/10118804
; Publication No. US20030166066A1
; GENERAL INFORMATION:
; APPLICANT: Bard, Jonathan
; APPLICANT: Branchek, Theresa
; APPLICANT: Weinshank, Richard
; TITLE OF INVENTION: Methods of Obtaining Pharmaceutical Compositions
; FILE REFERENCE: 41908-AA-PCT-US
; CURRENT APPLICATION NUMBER: US/10/118,804
; CURRENT FILING DATE: 2002-04-05
; PRIOR APPLICATION NUMBER: US/09/332,837
; PRIOR FILING DATE: 1999-06-14
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 445

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; TYPE: PRT
; ORGANISM: Homo Sapiens
US-10-118-804-2

Query Match      11.6%; Score 61.5; DB 12; Length 445;
Best Local Similarity 29.4%; Pred. No. 1.6e+02;
Matches 25; Conservative 8; Mismatches 29; Indels 23; Gaps 5;

QY      15  ETLSQLRKKKKK---KRRKFKQANCIDFIIFWIFWILLFSHHWQESLLCPPSPK 70
      |  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :
Db      301 ECANLSRLKKHERKNISIFKREQKAATTLGIIVGATVCWLPPF-----LLS----- 347

QY      71  EVTCREMLTG---GCLP-WATRSHL 91
      |  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :
Db      348 --TARPFICGTSCSCIPLWVERTFL 370

RESULT 38
US-10-225-567A-22
; Sequence 22, Application US/10225567A
; Publication No. US20030113798A1
; GENERAL INFORMATION:
; APPLICANT: LifeSpan Biosciences
; APPLICANT: Brown, Joseph P.
; APPLICANT: Burmer, Glenna C.
; APPLICANT: Roush, Christine L.
; TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTOR
; FILE REFERENCE: 1920-4-4
; CURRENT APPLICATION NUMBER: US/10/225,567A
; CURRENT FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 60/257,144
; PRIOR FILING DATE: 2000-12-19
; NUMBER OF SEQ ID NOS: 2292
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 22
; LENGTH: 445
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-225-567A-22

Query Match      11.6%; Score 61.5; DB 15; Length 445;
Best Local Similarity 29.4%; Pred. No. 1.6e+02;
Matches 25; Conservative 8; Mismatches 29; Indels 23; Gaps 5;

QY      15  ETLSQLRKKKKK---KRRKFKQANCIDFIIFWIFWILLFSHHWQESLLCPPSPK 70
      |  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :
Db      301 ECANLSRLKKHERKNISIFKREQKAATTLGIIVGATVCWLPPF-----LLS----- 347

QY      71  EVTCREMLTG---GCLP-WATRSHL 91
      |  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :
Db      348 --TARPFICGTSCSCIPLWVERTFL 370

RESULT 39
US-09-877-843-40
; Sequence 40, Application US/09877843
; Publication No. US20030073622A1
; GENERAL INFORMATION:
; APPLICANT: Majumder, Kumud
; APPLICANT: Spytek, Kimberly A
; APPLICANT: Tchernev, Velizar T
; APPLICANT: Colman, Steven D
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Zerhusen, Bryan
; APPLICANT: Gusev, Vladimir
; APPLICANT: Burgess, Catherine
; APPLICANT: Li, Li
; APPLICANT: Malyankar, Uriel M
; APPLICANT: Gangolli, Esha
; APPLICANT: Stone, David
; APPLICANT: MacDougall, John
; APPLICANT: Smithson, Glennda
; APPLICANT: Ellerman, Karen

```

; TITLE OF INVENTION: No. US20030073622A1el Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-031
; CURRENT APPLICATION NUMBER: US/09/877,843
; CURRENT FILING DATE: 2001-06-07
; PRIOR APPLICATION NUMBER: 60/209,927
; PRIOR FILING DATE: 2000-06-07
; PRIOR APPLICATION NUMBER: 60/210,091
; PRIOR FILING DATE: 2000-06-07
; PRIOR APPLICATION NUMBER: 60/209,928
; PRIOR FILING DATE: 2000-06-07
; PRIOR APPLICATION NUMBER: 60/210,208
; PRIOR FILING DATE: 2000-06-08
; PRIOR APPLICATION NUMBER: 60/210,425
; PRIOR FILING DATE: 2000-06-08
; PRIOR APPLICATION NUMBER: 60/214,150
; PRIOR FILING DATE: 2000-06-26
; PRIOR APPLICATION NUMBER: 60/214,023
; PRIOR FILING DATE: 2000-06-26
; PRIOR APPLICATION NUMBER: 60/215,005
; PRIOR FILING DATE: 2000-06-29
; PRIOR APPLICATION NUMBER: 60/270,060
; PRIOR FILING DATE: 2001-02-20
; PRIOR APPLICATION NUMBER: 60/271,623
; PRIOR FILING DATE: 2001-02-26
; PRIOR APPLICATION NUMBER: 60/278,915
; PRIOR FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 97
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 40
; LENGTH: 479
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-877-843-40

Query Match 11.6%; Score 61.5; DB 11; Length 479;
Best Local Similarity 29.4%; Pred. No. 1.8e+02;
Matches 25; Conservative 8; Mismatches 29; Indels 23; Gaps 5;

QY 15 ETLSQTELRKKERKK-----KRERKFOANCIGDPIIFWIFWILLFHHWQESLLCPPSPK 70
Db 301 ECANLSRLKHKRNISIFKREKQAATTLGIIVGAFTVCWLPFF-----LLS----- 347

QY 71 EVTCREMLTG--GCLP-WATRSHL 91
Db 348 --TARPFICGTSCTSCIPLWVERTFL 370

RESULT 40
US-10-190-435-149
; Sequence 149, Application US/10190435
; Publication No. US20030143248A1
; GENERAL INFORMATION:
; APPLICANT: ZUR MEGEDE, Jan
; APPLICANT: BARNETT, Susan W.
; APPLICANT: LIAN, Ying
; APPLICANT: ENGELBRECHT, Susan
; APPLICANT: VAN RENSBURG, Estrelita J.
; TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING ANTIGENIC HIV TYPE C
; FILE REFERENCE: PP18133.003 / 2302-18133
; CURRENT APPLICATION NUMBER: US/10/190,435
; CURRENT FILING DATE: 2002-12-30
; NUMBER OF SEQ ID NOS: 319
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 149
; LENGTH: 851
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: ETH2220
US-10-190-435-149

Query Match 11.6%; Score 61.5; DB 12; Length 851;

Best Local Similarity 32.0%; Pred. No. 3.3e+02;
Matches 16; Conservative 8; Mismatches 21; Indels 5; Gaps 1;

QY 48 IFW-----ILLFHHWQESLLCPPSPKKEVTCREMLTGGCLPWATRSHLG 92
Db 743 IFWDDLRLSLCLFSYHRLRLDLILIAARTVELLGRSSSLKGLQRGWETLKYLG 792

Search completed: October 28, 2003, 17:09:27
Job time : 80.115 secs

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OM protein - protein search, using sw model

Run on: October 28, 2003, 17:09:35 ; Search time 35.1947 Seconds
(without alignments)
116.613 Million cell updates/sec

Title: US-09-854-133-586

Perfect score: 97

Sequence: 1 EVEVSRDHASLGDSSETLSQT.....LTGGCLPWATRSHLGRKCS 97

Scoring table:

Gapop 60.0 , Gapext 60.0

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Minimum DB seq length: 0

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Post-processing: Listing first 1000 summaries

Database : Issued Patents AA:*

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- 3: /cgn2_6/ptodata/2/iaa/6A_COMB.pep.*
- 4: /cgn2_6/ptodata/2/iaa/6B_COMB.pep.*
- 5: /cgn2_6/ptodata/2/iaa/PCTUS_COMB.pep.*
- 6: /cgn2_6/ptodata/2/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	%		Query Match	Length	DB	ID	Description
		Score	Match					
1	8	8.2	67	4	US-09-732-210-157			Sequence 157, App
2	7	7.2	129	4	US-09-732-210-225			Sequence 225, App
3	7	7.2	155	4	US-09-252-991A-30401			Sequence 30401, A
4	7	7.2	295	4	US-09-107-532A-6497			Sequence 6497, Ap
5	6	6.2	7	3	US-09-258-754-407			Sequence 407, App
6	6	6.2	7	3	US-09-042-107-407			Sequence 407, App
7	6	6.2	27	6	5171680-14			Patent No. 5171680
8	6	6.2	71	4	US-09-205-258-355			Sequence 355, App
9	6	6.2	73	4	US-09-250-609-19			Sequence 19, App
10	6	6.2	73	4	US-09-250-611-19			Sequence 19, App
11	6	6.2	88	4	US-09-134-001C-2855			Sequence 2855, Ap
12	6	6.2	94	4	US-08-168-091A-26			Sequence 6511, Ap
13	6	6.2	113	1	US-08-168-091A-26			Sequence 26, Appl
14	6	6.2	130	4	US-09-252-991A-27185			Sequence 27185, A
15	6	6.2	137	4	US-09-732-210-1267			Sequence 1267, Ap
16	6	6.2	143	4	US-09-732-210-1267			Sequence 1267, Ap
17	6	6.2	160	4	US-09-198-452A-725			Sequence 725, App
18	6	6.2	163	4	US-09-668-673B-7			Sequence 7, Appli
19	6	6.2	163	4	US-09-562-737-77			Sequence 77, Appl
20	6	6.2	165	4	US-09-252-991A-17601			Sequence 17601, A
21	6	6.2	184	2	US-08-715-204-5			Sequence 5, Appli
22	6	6.2	184	2	US-08-691-814B-50			Sequence 50, Appl
23	6	6.2	184	3	US-09-162-597-5			Sequence 5, Appli
24	6	6.2	184	4	US-09-250-609-13			Sequence 13, Appl
25	6	6.2	184	4	US-09-250-611-13			Sequence 13, Appl
26	6	6.2	185	2	US-08-591-814B-12			Sequence 12, Appl
27	6	6.2	185	4	US-09-250-609-11			Sequence 11, Appl
	6	6.2	185	4	US-09-250-611-11			Sequence 11, Appl

28	6	6.2	212	4	US-09-252-991A-19925			Sequence 19925, A
29	6	6.2	216	4	US-09-690-454-69			Sequence 69, Appl
30	6	6.2	246	3	US-08-675-885-2			Sequence 2, Appli
31	6	6.2	252	4	US-09-134-001C-3847			Sequence 3847, Ap
32	6	6.2	289	4	US-09-328-352-6027			Sequence 6027, Ap
33	6	6.2	306	4	US-09-328-352-8079			Sequence 8079, Ap
34	6	6.2	319	1	US-08-702-344-28			Sequence 28, Appl
35	6	6.2	331	2	US-08-646-981-17			Sequence 17, Appl
36	6	6.2	348	3	US-08-853-948B-5			Sequence 5, Appli
37	6	6.2	350	4	US-09-651-200-25			Sequence 25, Appl
38	6	6.2	360	4	US-09-252-991A-23984			Sequence 23984, A
39	6	6.2	397	4	US-09-328-352-7357			Sequence 7357, Ap
40	6	6.2	399	1	US-08-414-926A-5			Sequence 5, Appli
41	6	6.2	399	2	US-08-926-922-5			Sequence 5, Appli
42	6	6.2	399	3	US-09-253-682-5			Sequence 5, Appli
43	6	6.2	399	3	US-09-527-657-5			Sequence 5, Appli
44	6	6.2	435	4	US-09-198-452A-603			Sequence 603, App
45	6	6.2	439	4	US-09-134-001C-4903			Sequence 4903, Ap
46	6	6.2	443	4	US-09-328-352-6576			Sequence 6576, Ap
47	6	6.2	461	4	US-09-107-532A-5964			Sequence 5964, Ap
48	6	6.2	472	4	US-09-107-532A-4171			Sequence 4171, Ap
49	6	6.2	480	4	US-09-107-532A-7294			Sequence 7294, Ap
50	6	6.2	491	4	US-09-107-532A-6380			Sequence 6380, Ap
51	6	6.2	494	4	US-09-252-991A-18151			Sequence 18151, A
52	6	6.2	498	4	US-09-107-532A-5082			Sequence 5082, Ap
53	6	6.2	503	4	US-09-562-737-70			Sequence 70, Appl
54	6	6.2	540	2	US-08-724-394A-4			Sequence 4, Appli
55	6	6.2	569	4	US-09-107-532A-6689			Sequence 6689, Ap
56	6	6.2	580	4	US-09-198-452A-332			Sequence 332, App
57	6	6.2	635	4	US-08-931-608A-5			Sequence 5, Appli
58	6	6.2	641	4	US-09-071-035-456			Sequence 456, App
59	6	6.2	711	4	US-09-252-991A-26402			Sequence 26402, A
60	6	6.2	775	2	US-08-714-070A-1			Sequence 1, Appli
61	6	6.2	787	4	US-09-252-991A-32261			Sequence 32261, A
62	6	6.2	867	4	US-09-668-673B-2			Sequence 2, Appli
63	6	6.2	871	4	US-09-773-426A-3			Sequence 3, Appli
64	6	6.2	1313	4	US-09-071-035-450			Sequence 450, App
65	6	6.2	1313	4	US-09-071-035-454			Sequence 454, App
66	6	6.2	1447	3	US-09-041-886-25			Sequence 25, Appl
67	6	6.2	1447	5	PCT-US94-05277-2			Sequence 2, Appli
68	6	6.2	1611	4	US-09-668-673B-16			Sequence 16, Appl
69	6	6.2	2629	2	US-08-751-189-4			Sequence 4, Appli
70	6	6.2	2629	2	US-09-060-836-4			Sequence 4, Appli
71	6	6.2	2629	3	US-09-184-445-4			Sequence 4, Appli
72	6	6.2	3816	3	US-09-428-517-3			Sequence 3, Appli
73	5	5.2	6	1	US-08-439-747A-2			Sequence 2, Appli
74	5	5.2	6	2	US-08-440-409B-2			Sequence 2, Appli
75	5	5.2	6	4	US-09-025-596-105			Sequence 105, App
76	5	5.2	8	2	US-08-701-124-1			Sequence 1, Appli
77	5	5.2	8	3	US-09-130-225-1			Sequence 1, Appli
78	5	5.2	8	4	US-09-455-061-1			Sequence 1, Appli
79	5	5.2	8	4	US-09-101-751A-74			Sequence 74, Appl
80	5	5.2	8	4	US-09-101-751A-94			Sequence 94, Appl
81	5	5.2	9	1	US-08-439-747A-23			Sequence 23, Appl
82	5	5.2	9	2	US-08-440-409B-23			Sequence 23, Appl
83	5	5.2	9	3	US-08-159-339A-281			Sequence 281, App
84	5	5.2	10	3	US-08-159-339A-291			Sequence 291, App
85	5	5.2	11	2	US-08-701-124-19			Sequence 19, Appl
86	5	5.2	11	2	US-08-623-690-6			Sequence 6, Appli
87	5	5.2	11	3	US-09-130-225-19			Sequence 19, Appl
88	5	5.2	11	4	US-09-455-061-19			Sequence 19, Appl
89	5	5.2	11	4	US-09-101-751A-76			Sequence 76, Appl
90	5	5.2	11	6	5200183-7			Patent No. 5200183
91	5	5.2	11	6	5200183-10			Patent No. 5200183
92	5	5.2	12	1	US-08-477-509B-16			Sequence 16, Appl
93	5	5.2	12	2	US-08-623-690-7			Sequence 7, Appli
94	5	5.2	12	3	US-08-482-085B-16			Sequence 16, Appl
95	5	5.2	12	4	US-09-444-791A-16			Sequence 16, Appl
96	5	5.2	13	1	US-08-787-547-30			Sequence 30, Appl
97	5	5.2	13	2	US-08-623-690-8			Sequence 8, Appli
98	5	5.2	13	4	US-09-325-601-15			Sequence 15, Appl
99	5	5.2	13	6	5168050-2			Patent No. 5168050
100	5	5.2	15	1	US-07-720-189-7			Sequence 7, Appli

101	5	5.2	15	1	US-07-720-189-8	Sequence 8, Appli	174	5	5.2	87	3	US-08-554-840-18	Sequence 18, Appl
102	5	5.2	15	2	US-08-701-124-43	Sequence 43, Appl	175	5	5.2	87	4	US-08-925-339-16	Sequence 16, Appl
103	5	5.2	15	3	US-09-130-225-43	Sequence 43, Appl	176	5	5.2	87	4	US-08-925-339-18	Sequence 18, Appl
104	5	5.2	15	4	US-09-455-061-43	Sequence 43, Appl	177	5	5.2	87	4	US-09-332-595-16	Sequence 16, Appl
105	5	5.2	15	4	US-09-101-751A-38	Sequence 38, Appl	178	5	5.2	87	4	US-09-332-595-18	Sequence 18, Appl
106	5	5.2	15	4	US-09-101-751A-78	Sequence 78, Appl	179	5	5.2	87	4	US-09-328-352-7319	Sequence 7319, Ap
107	5	5.2	16	4	US-09-025-596-12	Sequence 12, Appl	180	5	5.2	89	3	US-09-461-697-273	Sequence 273, App
108	5	5.2	16	4	US-10-053-485-24	Sequence 24, Appl	181	5	5.2	89	4	US-08-793-273C-8	Sequence 8, Appli
109	5	5.2	17	1	US-08-149-809-2	Sequence 2, Appli	182	5	5.2	89	5	PCT-US95-11684-8	Sequence 8, Appli
110	5	5.2	17	1	US-08-149-809-9	Sequence 9, Appli	183	5	5.2	90	4	US-09-198-452A-597	Sequence 597, App
111	5	5.2	17	4	US-09-101-751A-42	Sequence 42, Appl	184	5	5.2	91	2	US-09-047-125-10	Sequence 10, Appl
112	5	5.2	18	2	US-09-017-205-12	Sequence 12, Appl	185	5	5.2	91	3	US-07-736-335E-10	Sequence 10, Appl
113	5	5.2	19	4	US-09-101-751A-36	Sequence 36, Appl	186	5	5.2	93	2	US-08-821-009-3	Sequence 3, Appli
114	5	5.2	20	4	US-09-101-751A-34	Sequence 34, Appl	187	5	5.2	93	2	US-09-099-572-3	Sequence 3, Appli
115	5	5.2	20	5	PCT-US91-03540A-7	Sequence 7, Appli	188	5	5.2	94	4	US-09-328-352-7950	Sequence 7950, Ap
116	5	5.2	20	6	5168050-16	Patent No. 5168050	189	5	5.2	95	4	US-09-216-393B-39	Sequence 39, Appl
117	5	5.2	21	1	US-08-241-054-114	Sequence 114, App	190	5	5.2	96	3	US-08-466-368-6	Sequence 6, Appli
118	5	5.2	21	1	US-08-439-817-196	Sequence 196, App	191	5	5.2	96	4	US-09-216-393B-266	Sequence 266, App
119	5	5.2	21	1	US-08-485-508-162	Sequence 162, App	192	5	5.2	96	4	US-09-668-673B-20	Sequence 20, Appl
120	5	5.2	21	2	US-08-701-124-27	Sequence 27, Appl	193	5	5.2	96	4	US-08-470-998-3	Sequence 3, Appli
121	5	5.2	21	3	US-09-130-225-27	Sequence 27, Appl	194	5	5.2	96	4	US-09-107-532A-6122	Sequence 6122, Ap
122	5	5.2	21	4	US-09-455-061-27	Sequence 32, Appl	195	5	5.2	97	3	US-08-818-112-72	Sequence 72, Appl
123	5	5.2	21	4	US-09-732-210-1049	Sequence 1049, Ap	196	5	5.2	97	4	US-08-818-111-73	Sequence 73, Appl
124	5	5.2	22	4	US-08-649-100-10	Sequence 10, Appl	197	5	5.2	97	4	US-09-056-556-72	Sequence 72, Appl
125	5	5.2	23	3	US-08-469-260A-417	Sequence 417, App	198	5	5.2	97	4	US-09-149-476-376	Sequence 376, App
126	5	5.2	23	4	US-08-488-446-417	Sequence 417, App	199	5	5.2	97	4	US-09-072-596-73	Sequence 73, Appl
127	5	5.2	23	4	US-08-467-344A-417	Sequence 417, App	200	5	5.2	98	1	US-08-478-039-75	Sequence 75, Appl
128	5	5.2	23	4	US-08-366-577-9	Sequence 9, Appli	201	5	5.2	98	1	US-08-476-349A-75	Sequence 75, Appl
129	5	5.2	24	1	US-09-101-751A-26	Sequence 26, Appl	202	5	5.2	98	4	US-09-147-857-3	Sequence 3, Appli
130	5	5.2	24	4	PCT-US96-00005-9	Sequence 9, Appli	203	5	5.2	99	1	US-08-085-122-4	Sequence 4, Appli
131	5	5.2	24	5	US-09-574-377-29	Sequence 29, Appl	204	5	5.2	99	2	US-08-821-009-1	Sequence 1, Appli
132	5	5.2	25	4	US-07-942-245-338	Sequence 338, App	205	5	5.2	99	2	US-08-319-052-4	Sequence 4, Appli
133	5	5.2	26	1	US-07-942-245-352	Sequence 352, App	206	5	5.2	99	2	US-09-099-572-1	Sequence 1, Appli
134	5	5.2	26	1	US-07-942-245-382	Sequence 382, App	207	5	5.2	99	3	US-08-442-108B-4	Sequence 4, Appli
135	5	5.2	26	1	US-08-450-360-9	Sequence 9, Appli	208	5	5.2	101	4	US-09-732-210-71	Sequence 71, Appl
136	5	5.2	26	1	US-09-257-179-74	Sequence 74, Appl	209	5	5.2	102	2	US-08-480-473B-47	Sequence 47, Appl
137	5	5.2	26	4	US-09-101-751A-28	Sequence 28, Appl	210	5	5.2	102	3	US-08-915-213-47	Sequence 47, Appl
138	5	5.2	28	4	US-08-572-951-5	Sequence 5, Appli	211	5	5.2	102	3	US-09-235-217-47	Sequence 47, Appl
139	5	5.2	33	2	US-08-247-475-19	Sequence 19, Appl	212	5	5.2	102	4	US-09-615-192A-320	Sequence 320, App
140	5	5.2	34	1	US-08-479-650-19	Sequence 19, Appl	213	5	5.2	103	2	US-08-529-878B-41	Sequence 41, Appl
141	5	5.2	34	1	US-08-191-866D-24	Sequence 24, Appl	214	5	5.2	104	4	US-09-634-238-312	Sequence 312, App
142	5	5.2	34	1	US-08-674-169-19	Sequence 19, Appl	215	5	5.2	104	4	US-09-107-532A-4960	Sequence 4960, Ap
143	5	5.2	34	1	US-08-185-949B-24	Sequence 24, Appl	216	5	5.2	105	4	US-09-134-001C-4949	Sequence 4949, Ap
144	5	5.2	34	2	US-08-142-551B-83	Sequence 83, Appl	217	5	5.2	106	4	US-08-311-731A-243	Sequence 243, App
145	5	5.2	35	2	US-08-142-551B-100	Sequence 100, App	218	5	5.2	107	1	US-08-107-669D-27	Sequence 27, Appl
146	5	5.2	35	2	US-09-732-210-258	Sequence 258, App	219	5	5.2	107	1	US-08-472-788A-27	Sequence 27, Appl
147	5	5.2	46	4	US-09-489-847-218	Sequence 218, App	220	5	5.2	107	1	US-08-458-516-9	Sequence 9, Appli
148	5	5.2	48	4	US-08-766-858A-19	Sequence 19, Appl	221	5	5.2	107	2	US-08-480-434-74	Sequence 74, Appl
149	5	5.2	50	2	US-09-663-600A-90	Sequence 90, Appl	222	5	5.2	107	2	US-08-477-531B-27	Sequence 27, Appl
150	5	5.2	52	4	US-08-881-450A-3	Sequence 3, Appli	223	5	5.2	107	2	US-07-934-373C-16	Sequence 16, Appl
151	5	5.2	52	4	US-09-057-762-12	Sequence 12, Appl	224	5	5.2	107	2	US-08-647-144-6	Sequence 6, Appli
152	5	5.2	59	3	US-08-326-119A-12	Sequence 12, Appl	225	5	5.2	107	2	US-08-647-144-8	Sequence 8, Appli
153	5	5.2	60	2	US-08-971-089-2	Sequence 2, Appli	226	5	5.2	107	2	US-08-652-558-35	Sequence 35, Appl
154	5	5.2	60	3	US-08-867-087B-40	Sequence 40, Appl	227	5	5.2	107	2	US-08-082-842A-27	Sequence 27, Appl
155	5	5.2	63	3	US-09-106-568E-22	Sequence 22, Appl	228	5	5.2	107	2	US-08-053-451B-74	Sequence 74, Appl
156	5	5.2	66	2	US-09-097-889-17	Sequence 17, Appl	229	5	5.2	107	2	US-08-053-451B-176	Sequence 176, App
157	5	5.2	67	4	US-09-098-079-17	Sequence 17, Appl	230	5	5.2	107	3	US-08-437-642B-16	Sequence 16, Appl
158	5	5.2	68	3	US-08-259-514-5	Sequence 5, Appli	231	5	5.2	107	4	US-08-871-488A-17	Sequence 17, Appl
159	5	5.2	68	1	US-08-858-311-5	Sequence 5, Appli	232	5	5.2	107	4	US-08-146-206C-16	Sequence 16, Appl
160	5	5.2	69	1	US-08-905-223-372	Sequence 372, App	233	5	5.2	107	4	US-09-106-568E-43	Sequence 43, Appl
161	5	5.2	69	2	US-09-107-532A-4332	Sequence 4332, Ap	234	5	5.2	107	4	US-09-106-568E-60	Sequence 60, Appl
162	5	5.2	72	3	US-09-205-258-373	Sequence 373, App	235	5	5.2	107	5	PCT-US93-07832-16	Sequence 16, Appl
163	5	5.2	72	4	US-09-328-352-6988	Sequence 6988, Ap	236	5	5.2	108	1	US-08-202-047-24	Sequence 24, Appl
164	5	5.2	74	4	US-08-611-510-6	Sequence 6, Appli	237	5	5.2	108	3	US-08-964-690-24	Sequence 24, Appl
165	5	5.2	78	4	US-08-858-207A-305	Sequence 305, App	238	5	5.2	108	3	US-09-065-059-3	Sequence 3, Appli
166	5	5.2	78	4	US-09-144-776B-18	Sequence 18, Appl	239	5	5.2	108	3	US-09-199-149-7	Sequence 7, Appli
167	5	5.2	78	4	US-09-252-991A-26773	Sequence 26773, A	240	5	5.2	109	1	US-07-942-245-10	Sequence 10, Appl
168	5	5.2	79	2	US-09-489-847-128	Sequence 128, App	241	5	5.2	109	1	US-07-942-245-11	Sequence 11, Appl
169	5	5.2	79	4	US-08-554-840-16	Sequence 16, Appl	242	5	5.2	109	1	US-08-561-521-42	Sequence 42, Appl
170	5	5.2	82	4			243	5	5.2	109	3	US-09-357-710A-21	Sequence 21, Appl
171	5	5.2	85	4			244	5	5.2	109	4	US-09-107-532A-5416	Sequence 5416, Ap
172	5	5.2	86	4			245	5	5.2	109	5	PCT-US95-01219-42	Sequence 42, Appl
173	5	5.2	87	3			246	5	5.2	110	4	US-09-252-991A-30270	Sequence 30270, A

247	5	5.2	110	4	US-09-732-210-1689	Sequence 1689, Ap	320	5	5.2	127	4	US-09-732-210-1694	Sequence 1694, Ap
248	5	5.2	112	3	US-08-487-761-13	Sequence 13, Appl	321	5	5.2	128	4	US-09-225-322B-10	Sequence 10, Appl
249	5	5.2	114	4	US-08-979-847B-90	Sequence 90, Appl	322	5	5.2	128	4	US-09-225-322B-19	Sequence 19, Appl
250	5	5.2	115	4	US-09-615-192A-317	Sequence 317, App	323	5	5.2	128	4	US-09-764-304-10	Sequence 10, Appl
251	5	5.2	115	4	US-09-599-360B-81	Sequence 81, Appl	324	5	5.2	128	4	US-09-764-304-19	Sequence 19, Appl
252	5	5.2	116	1	US-08-478-039-79	Sequence 79, Appl	325	5	5.2	129	4	US-09-370-838-214	Sequence 214, App
253	5	5.2	116	1	US-08-476-349A-79	Sequence 79, Appl	326	5	5.2	129	4	US-09-732-210-1665	Sequence 1665, Ap
254	5	5.2	116	3	US-08-545-809A-92	Sequence 92, Appl	327	5	5.2	129	4	US-09-732-210-1666	Sequence 1666, Ap
255	5	5.2	116	3	US-08-545-809A-118	Sequence 118, App	328	5	5.2	131	1	US-08-236-520-2	Sequence 2, Appli
256	5	5.2	116	3	US-08-545-809A-140	Sequence 140, App	329	5	5.2	131	4	US-09-171-461-20	Sequence 20, Appl
257	5	5.2	116	3	US-08-397-411-3	Sequence 3, Appli	330	5	5.2	131	4	US-09-314-701-20	Sequence 20, Appli
258	5	5.2	117	1	US-08-448-196A-2	Sequence 2, Appli	331	5	5.2	131	5	PCT-US95-05262-2	Sequence 2, Appli
259	5	5.2	118	2	US-08-652-816A-13	Sequence 13, Appl	332	5	5.2	132	4	US-09-732-210-1671	Sequence 1671, Ap
260	5	5.2	118	3	US-08-545-809A-123	Sequence 123, App	333	5	5.2	132	4	US-09-732-210-1673	Sequence 1673, Ap
261	5	5.2	118	3	US-08-545-809A-142	Sequence 142, App	334	5	5.2	133	4	US-09-134-001C-3349	Sequence 3349, Ap
262	5	5.2	118	4	US-09-025-769B-25	Sequence 25, Appl	335	5	5.2	133	4	US-09-134-001C-4596	Sequence 4596, Ap
263	5	5.2	118	4	US-09-627-376-17	Sequence 17, Appl	336	5	5.2	133	4	US-09-797-908-8	Sequence 8, Appli
264	5	5.2	118	4	US-09-107-532A-4319	Sequence 4319, Ap	337	5	5.2	134	4	US-09-134-001C-5232	Sequence 5232, Ap
265	5	5.2	119	1	US-08-478-039-77	Sequence 77, Appl	338	5	5.2	134	4	US-09-732-210-1264	Sequence 1264, Ap
266	5	5.2	119	1	US-08-476-349A-77	Sequence 77, Appl	339	5	5.2	135	4	US-09-134-001C-3305	Sequence 3305, Ap
267	5	5.2	119	2	US-08-652-816A-10	Sequence 10, Appl	340	5	5.2	135	4	US-09-732-210-1327	Sequence 1327, Ap
268	5	5.2	119	2	US-08-428-197-16	Sequence 16, Appl	341	5	5.2	137	2	US-08-621-751A-8	Sequence 8, Appli
269	5	5.2	119	3	US-08-588-258B-30	Sequence 30, Appl	342	5	5.2	137	4	US-09-732-210-686	Sequence 686, App
270	5	5.2	119	3	US-08-460-505-30	Sequence 30, Appl	343	5	5.2	137	4	US-09-732-210-1679	Sequence 1679, Ap
271	5	5.2	119	4	US-09-025-769B-39	Sequence 39, Appl	344	5	5.2	138	4	US-09-732-210-1266	Sequence 1266, Ap
272	5	5.2	119	4	US-09-025-769B-65	Sequence 65, Appl	345	5	5.2	139	1	US-08-478-039-108	Sequence 108, App
273	5	5.2	119	4	US-08-858-207A-388	Sequence 388, App	346	5	5.2	139	1	US-08-476-349A-108	Sequence 108, App
274	5	5.2	119	5	PCT-US93-10555-16	Sequence 16, Appl	347	5	5.2	139	3	US-08-523-894-2	Sequence 2, Appli
275	5	5.2	119	5	PCT-US96-08295-30	Sequence 30, Appl	348	5	5.2	139	4	US-09-252-991A-27600	Sequence 27600, A
276	5	5.2	119	6	5242798-3	Patent No. 5242798	349	5	5.2	139	4	US-09-328-352-5644	Sequence 5644, Ap
277	5	5.2	120	3	US-08-554-840-5	Sequence 5, Appli	350	5	5.2	139	4	US-09-732-210-292	Sequence 292, App
278	5	5.2	120	3	US-08-554-840-8	Sequence 8, Appli	351	5	5.2	140	4	US-09-252-991A-20499	Sequence 20499, A
279	5	5.2	120	3	US-08-545-809A-137	Sequence 137, App	352	5	5.2	140	4	US-09-732-210-742	Sequence 742, App
280	5	5.2	120	4	US-08-890-865A-16	Sequence 16, Appl	353	5	5.2	140	4	US-09-732-210-743	Sequence 743, App
281	5	5.2	120	4	US-08-925-339-5	Sequence 5, Appli	354	5	5.2	140	4	US-09-732-210-744	Sequence 744, App
282	5	5.2	120	4	US-08-925-339-8	Sequence 8, Appli	355	5	5.2	140	4	US-09-732-210-748	Sequence 748, App
283	5	5.2	120	4	US-09-332-595-5	Sequence 5, Appli	356	5	5.2	140	4	US-09-107-532A-4699	Sequence 4699, Ap
284	5	5.2	120	4	US-09-332-595-8	Sequence 8, Appli	357	5	5.2	141	4	US-09-252-991A-17042	Sequence 17042, A
285	5	5.2	121	1	US-08-478-039-80	Sequence 80, Appl	358	5	5.2	141	4	US-09-107-532A-4835	Sequence 4835, Ap
286	5	5.2	121	1	US-08-476-349A-80	Sequence 80, Appl	359	5	5.2	142	2	US-08-480-774A-2	Sequence 2, Appli
287	5	5.2	121	4	US-09-328-352-5325	Sequence 5325, Ap	360	5	5.2	142	4	US-09-252-991A-30449	Sequence 30449, A
288	5	5.2	122	1	US-08-360-125-11	Sequence 11, Appl	361	5	5.2	142	4	US-09-328-352-5470	Sequence 5470, Ap
289	5	5.2	122	2	US-08-450-578-11	Sequence 11, Appl	362	5	5.2	143	4	US-09-252-991A-20935	Sequence 20935, A
290	5	5.2	122	2	US-09-017-628-11	Sequence 11, Appl	363	5	5.2	144	4	US-09-252-991A-17740	Sequence 17740, A
291	5	5.2	122	2	US-09-014-880-11	Sequence 11, Appl	364	5	5.2	144	4	US-09-198-452A-657	Sequence 657, App
292	5	5.2	122	4	US-08-450-363-11	Sequence 11, Appl	365	5	5.2	145	2	US-08-686-599A-20	Sequence 20, Appl
293	5	5.2	123	1	US-07-893-929A-10	Sequence 10, Appl	366	5	5.2	146	4	US-09-107-532A-5656	Sequence 5656, Ap
294	5	5.2	123	4	US-08-793-450-4	Sequence 4, Appli	367	5	5.2	147	4	US-09-252-991A-31616	Sequence 31616, A
295	5	5.2	123	5	PCT-US92-10344-10	Sequence 10, Appl	368	5	5.2	147	4	US-09-732-210-171	Sequence 171, App
296	5	5.2	124	1	US-08-478-039-78	Sequence 78, Appl	369	5	5.2	149	4	US-09-107-532A-5296	Sequence 5296, Ap
297	5	5.2	124	1	US-08-476-349A-78	Sequence 78, Appl	370	5	5.2	150	4	US-09-134-001C-5160	Sequence 5160, Ap
298	5	5.2	124	4	US-09-461-325-398	Sequence 398, App	371	5	5.2	151	4	US-09-328-352-6536	Sequence 6536, Ap
299	5	5.2	125	1	US-08-478-039-76	Sequence 76, Appl	372	5	5.2	157	4	US-09-198-452A-896	Sequence 896, App
300	5	5.2	125	1	US-08-476-349A-76	Sequence 76, Appl	373	5	5.2	158	2	US-08-850-119-4	Sequence 4, Appli
301	5	5.2	126	1	US-08-276-852-142	Sequence 142, App	374	5	5.2	158	2	US-09-098-900-1	Sequence 1, Appli
302	5	5.2	126	1	US-08-899-575-142	Sequence 142, App	375	5	5.2	158	2	US-09-098-900-3	Sequence 3, Appli
303	5	5.2	126	1	US-08-899-575-142	Sequence 142, App	376	5	5.2	158	2	US-08-806-877-1	Sequence 1, Appli
304	5	5.2	126	3	US-08-772-440-10	Sequence 10, Appl	377	5	5.2	158	2	US-08-806-877-3	Sequence 3, Appli
305	5	5.2	126	3	US-09-284-033-5	Sequence 5, Appli	378	5	5.2	158	4	US-09-252-991A-29090	Sequence 29090, A
306	5	5.2	126	3	US-08-729-834B-5	Sequence 5, Appli	379	5	5.2	158	4	US-09-198-452A-315	Sequence 315, App
307	5	5.2	126	4	US-09-453-195A-4	Sequence 4, Appli	380	5	5.2	159	4	US-09-252-991A-18749	Sequence 18749, A
308	5	5.2	126	5	PCT-US95-08743-142	Sequence 142, App	381	5	5.2	160	2	US-08-726-306A-64	Sequence 64, Appl
309	5	5.2	127	1	US-08-458-516-5	Sequence 5, Appli	382	5	5.2	161	4	US-09-615-192A-318	Sequence 318, App
310	5	5.2	127	1	US-08-137-117D-29	Sequence 29, Appl	383	5	5.2	162	4	US-09-252-991A-24929	Sequence 24929, A
311	5	5.2	127	1	US-08-137-117D-37	Sequence 37, Appl	384	5	5.2	162	4	US-09-732-210-527	Sequence 527, App
312	5	5.2	127	2	US-08-436-717-29	Sequence 29, Appl	385	5	5.2	164	4	US-09-732-210-526	Sequence 526, App
313	5	5.2	127	2	US-08-436-717-37	Sequence 37, Appl	386	5	5.2	164	4	US-09-732-210-533	Sequence 533, App
314	5	5.2	127	2	US-08-646-981-8	Sequence 8, Appli	387	5	5.2	165	4	US-09-252-991A-24987	Sequence 24987, A
315	5	5.2	127	2	US-08-621-751A-2	Sequence 2, Appli	388	5	5.2	166	2	US-08-729-103-4	Sequence 4, Appli
316	5	5.2	127	2	US-08-574-699A-2	Sequence 2, Appli	389	5	5.2	166	4	US-09-199-637A-245	Sequence 245, App
317	5	5.2	127	3	US-08-836-561-29	Sequence 29, Appl	390	5	5.2	166	4	US-09-252-991A-27493	Sequence 27493, A
318	5	5.2	127	3	US-08-649-100-17	Sequence 17, Appl	391	5	5.2	167	4	US-08-858-207A-473	Sequence 473, App
319	5	5.2	127	4	US-09-434-122-29	Sequence 29, Appl	392	5	5.2	168	3	US-08-990-791-10	Sequence 10, Appl

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393	5	5.2	168	4	US-09-372-591-10	Sequence 10, Appl	466	5	5.2	214	5	PCT-US93-07832-24	Sequence 24, Appl
394	5	5.2	170	4	US-09-732-210-1074	Sequence 1074, Ap	467	5	5.2	217	3	US-09-078-317-9	Sequence 9, Appli
395	5	5.2	170	4	US-09-732-210-1676	Sequence 1676, Ap	468	5	5.2	217	4	US-09-454-818-9	Sequence 9, Appli
396	5	5.2	172	4	US-09-252-991A-16603	Sequence 16603, A	469	5	5.2	218	3	US-09-216-001-4	Sequence 4, Appli
397	5	5.2	172	4	US-09-732-210-560	Sequence 560, App	470	5	5.2	218	3	US-08-878-862-4	Sequence 4, Appli
398	5	5.2	173	3	US-08-981-392-18	Sequence 18, Appl	471	5	5.2	218	3	US-09-081-689-6	Sequence 6, Appli
399	5	5.2	173	4	US-09-134-001C-3850	Sequence 3850, Ap	472	5	5.2	218	4	US-09-305-984-16	Sequence 16, Appl
400	5	5.2	174	4	US-09-328-352-7878	Sequence 7878, Ap	473	5	5.2	218	4	US-09-073-541A-16	Sequence 16, Appl
401	5	5.2	175	4	US-09-107-532A-6949	Sequence 6949, Ap	474	5	5.2	219	4	US-09-252-991A-28209	Sequence 28209, A
402	5	5.2	176	3	US-08-772-440-8	Sequence 8, Appli	475	5	5.2	220	3	US-08-228-208A-21	Sequence 21, Appl
403	5	5.2	176	3	US-09-309-317-2	Sequence 2, Appli	476	5	5.2	221	4	US-09-252-991A-18985	Sequence 18985, A
404	5	5.2	178	3	US-09-232-446B-5	Sequence 5, Appli	477	5	5.2	221	4	US-09-107-532A-4477	Sequence 4477, Ap
405	5	5.2	178	4	US-09-252-991A-26469	Sequence 26469, A	478	5	5.2	222	4	US-09-252-991A-18423	Sequence 18423, A
406	5	5.2	180	3	US-08-772-440-31	Sequence 31, Appl	479	5	5.2	223	1	US-08-505-058-5	Sequence 5, Appli
407	5	5.2	180	4	US-09-328-352-5473	Sequence 5473, Ap	480	5	5.2	223	2	US-08-459-818-25	Sequence 25, Appl
408	5	5.2	182	2	US-08-721-925A-3	Sequence 3, Appli	481	5	5.2	223	2	US-08-889-666-25	Sequence 25, Appl
409	5	5.2	182	3	US-08-691-563C-90	Sequence 90, Appl	482	5	5.2	223	2	US-08-465-078-25	Sequence 25, Appl
410	5	5.2	182	4	US-09-615-192A-268	Sequence 268, App	483	5	5.2	223	2	US-08-725-776-25	Sequence 25, Appl
411	5	5.2	182	4	US-09-252-991A-31422	Sequence 31422, A	484	5	5.2	223	2	US-08-488-062-25	Sequence 25, Appl
412	5	5.2	182	4	US-09-374-766-90	Sequence 90, Appl	485	5	5.2	223	2	US-08-857-534-12	Sequence 12, Appl
413	5	5.2	182	4	US-08-979-847B-84	Sequence 84, Appl	486	5	5.2	223	4	US-09-166-350-20	Sequence 20, Appl
414	5	5.2	184	4	US-09-040-229B-6	Sequence 6, Appli	487	5	5.2	223	4	US-09-198-452A-944	Sequence 944, App
415	5	5.2	184	3	US-09-252-991A-22978	Sequence 22978, A	488	5	5.2	223	5	PCT-US95-04971-12	Sequence 12, Appl
416	5	5.2	185	4	US-08-981-739-133	Sequence 133, App	489	5	5.2	224	3	US-09-091-899-10	Sequence 10, Appl
417	5	5.2	185	4	US-09-128-026-133	Sequence 133, App	490	5	5.2	225	5	US-08-738-462-2	Sequence 2, Appli
418	5	5.2	185	4	US-09-252-991A-27949	Sequence 27949, A	491	5	5.2	225	5	PCT-US94-07587-2	Sequence 2, Appli
419	5	5.2	186	4	US-09-250-609-15	Sequence 15, Appl	492	5	5.2	228	3	US-08-896-933-25	Sequence 25, Appl
420	5	5.2	186	4	US-09-250-611-15	Sequence 15, Appl	493	5	5.2	228	4	US-09-314-235-25	Sequence 25, Appl
421	5	5.2	186	4	US-09-252-991A-20433	Sequence 20433, A	494	5	5.2	228	4	US-09-328-352-4878	Sequence 4878, Ap
422	5	5.2	187	4	US-09-227-357-478	Sequence 478, App	495	5	5.2	228	4	US-09-107-532A-3896	Sequence 3896, Ap
423	5	5.2	188	4	US-09-252-991A-30555	Sequence 30555, A	496	5	5.2	229	3	US-09-267-177-26	Sequence 26, Appl
424	5	5.2	189	4	US-09-252-991A-32182	Sequence 32182, A	497	5	5.2	229	4	US-09-651-656-35	Sequence 35, Appl
425	5	5.2	189	4	US-09-477-135A-137	Sequence 137, App	498	5	5.2	229	4	US-09-650-855-35	Sequence 35, Appl
426	5	5.2	191	4	US-09-107-532A-5508	Sequence 5508, Ap	499	5	5.2	229	4	US-09-134-001C-2965	Sequence 2965, Ap
427	5	5.2	194	4	US-09-134-001C-3269	Sequence 3269, Ap	500	5	5.2	229	4	US-09-252-991A-31789	Sequence 31789, A
428	5	5.2	195	4	US-09-213-293D-19	Sequence 19, Appl	501	5	5.2	230	4	US-09-252-991A-30298	Sequence 30298, A
429	5	5.2	197	2	US-08-879-561-5	Sequence 5, Appli	502	5	5.2	231	4	US-09-495-406-35	Sequence 35, Appl
430	5	5.2	197	3	US-09-112-248-2	Sequence 2, Appli	503	5	5.2	233	4	US-09-583-545-10	Sequence 10, Appl
431	5	5.2	197	4	US-09-252-991A-23101	Sequence 23101, A	504	5	5.2	233	4	US-09-107-532A-6776	Sequence 6776, Ap
432	5	5.2	199	3	US-08-772-440-13	Sequence 13, Appl	505	5	5.2	234	4	US-09-134-001C-3384	Sequence 3384, Ap
433	5	5.2	200	3	US-08-881-094-19	Sequence 19, Appl	506	5	5.2	234	4	US-09-252-991A-30807	Sequence 30807, A
434	5	5.2	200	4	US-09-134-001C-3812	Sequence 3812, Ap	507	5	5.2	236	4	US-09-118-464-7	Sequence 7, Appli
435	5	5.2	200	4	US-09-134-001C-4063	Sequence 4063, Ap	508	5	5.2	236	4	US-09-107-532A-4263	Sequence 4263, Ap
436	5	5.2	203	1	US-08-063-552-6	Sequence 6, Appli	509	5	5.2	237	4	US-09-252-991A-29558	Sequence 29558, A
437	5	5.2	203	5	PCT-US93-05704-6	Sequence 6, Appli	510	5	5.2	237	4	US-09-107-532A-3825	Sequence 3825, Ap
438	5	5.2	204	1	US-08-247-946A-4	Sequence 4, Appli	511	5	5.2	237	6	5212074-7	Patent No. 5212074
439	5	5.2	204	2	US-08-808-550-32	Sequence 32, Appl	512	5	5.2	238	4	US-08-858-207A-420	Sequence 420, App
440	5	5.2	204	3	US-09-078-317-14	Sequence 14, Appl	513	5	5.2	238	4	US-09-328-352-4310	Sequence 4310, Ap
441	5	5.2	204	4	US-09-454-818-14	Sequence 14, Appl	514	5	5.2	239	4	US-09-252-991A-19895	Sequence 19895, A
442	5	5.2	204	5	PCT-US95-06420-4	Sequence 4, Appli	515	5	5.2	239	4	US-09-252-991A-28985	Sequence 28985, A
443	5	5.2	205	4	US-09-107-532A-5214	Sequence 5214, Ap	516	5	5.2	240	4	US-08-851-971-1	Sequence 1, Appli
444	5	5.2	206	4	US-09-250-609-6	Sequence 6, Appli	517	5	5.2	241	4	US-08-978-289-6	Sequence 6, Appli
445	5	5.2	206	4	US-09-250-611-6	Sequence 6, Appli	518	5	5.2	241	4	US-08-978-289-8	Sequence 8, Appli
446	5	5.2	207	3	US-08-549-515-9	Sequence 9, Appli	519	5	5.2	241	4	US-09-252-991A-25199	Sequence 25199, A
447	5	5.2	207	4	US-09-161-241-13	Sequence 13, Appl	520	5	5.2	241	4	US-09-107-532A-5876	Sequence 5876, Ap
448	5	5.2	208	4	US-09-340-620A-65	Sequence 65, Appl	521	5	5.2	242	1	US-08-015-985-7	Sequence 7, Appli
449	5	5.2	211	4	US-09-170-769A-8	Sequence 8, Appli	522	5	5.2	242	3	US-09-019-095A-23	Sequence 23, Appl
450	5	5.2	211	4	US-09-252-991A-25965	Sequence 25965, A	523	5	5.2	242	4	US-09-355-166-14	Sequence 14, Appl
451	5	5.2	212	4	US-09-252-991A-18358	Sequence 18358, A	524	5	5.2	242	4	US-09-134-001C-5212	Sequence 5212, Ap
452	5	5.2	212	4	US-09-328-352-5652	Sequence 5652, Ap	525	5	5.2	243	4	US-09-252-991A-26765	Sequence 26765, A
453	5	5.2	212	4	US-09-107-532A-6349	Sequence 6349, Ap	526	5	5.2	244	4	US-08-772-440-2	Sequence 2, Appli
454	5	5.2	213	4	US-09-252-991A-21520	Sequence 21520, A	527	5	5.2	244	4	US-08-679-493A-188	Sequence 188, App
455	5	5.2	214	1	US-08-425-763-1	Sequence 1, Appli	528	5	5.2	244	4	US-08-918-148-79	Sequence 79, Appl
456	5	5.2	214	2	US-07-934-373C-24	Sequence 24, Appl	529	5	5.2	244	4	US-10-039-785-44	Sequence 44, Appl
457	5	5.2	214	3	US-08-437-642B-24	Sequence 24, Appl	530	5	5.2	245	1	US-08-015-985-8	Sequence 8, Appli
458	5	5.2	214	3	US-08-960-507-21	Sequence 21, Appl	531	5	5.2	245	1	US-09-438-833-3	Sequence 3, Appli
459	5	5.2	214	3	US-08-811-757-1	Sequence 1, Appli	532	5	5.2	248	1	US-08-015-985-9	Sequence 9, Appli
460	5	5.2	214	3	US-09-249-230-1	Sequence 1, Appli	533	5	5.2	250	3	US-08-944-483-51	Sequence 51, Appl
461	5	5.2	214	4	US-08-146-206C-24	Sequence 24, Appl	534	5	5.2	250	4	US-09-252-991A-18384	Sequence 18384, A
462	5	5.2	214	4	US-09-136-801-21	Sequence 21, Appl	535	5	5.2	250	4	US-09-328-352-5203	Sequence 5203, Ap
463	5	5.2	214	4	US-09-252-991A-23492	Sequence 23492, A	536	5	5.2	251	4	US-09-252-991A-27585	Sequence 27585, A
464	5	5.2	214	4	US-09-202-088A-21	Sequence 21, Appl	537	5	5.2	253	3	US-09-333-599-2	Sequence 2, Appli
465	5	5.2	214	4	US-09-328-352-6571	Sequence 6571, Ap	538	5	5.2	253	3	US-09-333-599-4	Sequence 4, Appli

539	5	5.2	253	4	US-09-499-781-2	Sequence 2, Appli	612	5	5.2	286	4	US-09-136-801-20	Sequence 20, Appl
540	5	5.2	253	4	US-09-499-781-4	Sequence 4, Appli	613	5	5.2	286	4	US-09-202-088A-20	Sequence 20, Appl
541	5	5.2	256	4	US-09-724-623-75	Sequence 75, Appl	614	5	5.2	288	3	US-09-335-409-18	Sequence 18, Appl
542	5	5.2	256	4	US-09-431-887-31	Sequence 31, Appl	615	5	5.2	288	3	US-09-335-409-19	Sequence 19, Appl
543	5	5.2	257	2	US-08-685-992-6	Sequence 6, Appli	616	5	5.2	288	3	US-09-113-750A-10	Sequence 10, Appl
544	5	5.2	257	2	US-08-685-992-18	Sequence 18, Appl	617	5	5.2	288	4	US-09-568-102-18	Sequence 18, Appl
545	5	5.2	257	2	US-09-144-925-6	Sequence 6, Appli	618	5	5.2	288	4	US-09-568-102-19	Sequence 19, Appl
546	5	5.2	257	2	US-09-144-925-18	Sequence 18, Appl	619	5	5.2	288	4	US-09-567-969-18	Sequence 18, Appl
547	5	5.2	257	4	US-09-252-991A-22204	Sequence 22204, A	620	5	5.2	288	4	US-09-567-969-19	Sequence 19, Appl
548	5	5.2	258	2	US-08-685-992-19	Sequence 19, Appl	621	5	5.2	288	4	US-09-568-480-18	Sequence 18, Appl
549	5	5.2	258	2	US-09-144-925-19	Sequence 19, Appl	622	5	5.2	288	4	US-09-568-480-19	Sequence 19, Appl
550	5	5.2	259	4	US-09-161-241-11	Sequence 11, Appl	623	5	5.2	288	4	US-09-568-486-18	Sequence 18, Appl
551	5	5.2	259	4	US-09-161-241-12	Sequence 12, Appl	624	5	5.2	288	4	US-09-568-486-19	Sequence 19, Appl
552	5	5.2	260	2	US-08-685-992-4	Sequence 4, Appli	625	5	5.2	288	4	US-09-568-472-18	Sequence 18, Appl
553	5	5.2	260	2	US-08-685-992-25	Sequence 25, Appl	626	5	5.2	288	4	US-09-568-472-19	Sequence 19, Appl
554	5	5.2	260	2	US-09-144-925-4	Sequence 4, Appli	627	5	5.2	288	4	US-09-567-899-18	Sequence 18, Appl
555	5	5.2	260	2	US-09-144-925-25	Sequence 25, Appl	628	5	5.2	288	4	US-09-567-899-19	Sequence 19, Appl
556	5	5.2	261	2	US-08-685-992-3	Sequence 3, Appli	629	5	5.2	288	4	US-09-252-991A-19642	Sequence 19642, A
557	5	5.2	261	2	US-09-144-925-3	Sequence 3, Appli	630	5	5.2	289	4	US-09-107-532A-6154	Sequence 6154, Ap
558	5	5.2	261	6	5270178-5	Patent No. 5270178	631	5	5.2	290	4	US-09-134-001C-5043	Sequence 5043, Ap
559	5	5.2	261	6	5270178-19	Patent No. 5270178	632	5	5.2	295	1	US-08-118-270-79	Sequence 79, Appl
560	5	5.2	261	6	5270178-20	Patent No. 5270178	633	5	5.2	295	4	US-09-461-325-193	Sequence 193, App
561	5	5.2	261	6	5270178-21	Patent No. 5270178	634	5	5.2	295	5	PCT-US93-08528-79	Sequence 79, Appl
562	5	5.2	262	1	US-07-720-189-1	Sequence 1, Appli	635	5	5.2	297	4	US-09-198-452A-838	Sequence 838, App
563	5	5.2	262	4	US-09-134-001C-5532	Sequence 5532, Ap	636	5	5.2	297	4	US-09-107-532A-5306	Sequence 5306, Ap
564	5	5.2	262	4	US-09-252-991A-28282	Sequence 28282, A	637	5	5.2	299	4	US-09-134-001C-5227	Sequence 5227, Ap
565	5	5.2	262	4	US-09-198-452A-646	Sequence 646, App	638	5	5.2	299	4	US-09-252-991A-26754	Sequence 26754, A
566	5	5.2	263	2	US-08-685-992-5	Sequence 5, Appli	639	5	5.2	301	3	US-09-095-117-6	Sequence 6, Appli
567	5	5.2	263	2	US-09-144-925-5	Sequence 5, Appli	640	5	5.2	301	4	US-09-107-532A-6619	Sequence 6619, Ap
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569	5	5.2	265	2	US-07-857-224B-66	Sequence 66, Appl	642	5	5.2	302	1	US-08-121-054C-30	Sequence 30, Appl
570	5	5.2	265	4	US-09-149-476-497	Sequence 497, App	643	5	5.2	302	3	US-08-539-436-18	Sequence 18, Appl
571	5	5.2	266	4	US-09-328-352-5136	Sequence 5136, Ap	644	5	5.2	302	3	US-08-539-436-30	Sequence 30, Appl
572	5	5.2	268	4	US-09-252-991A-23138	Sequence 23138, A	645	5	5.2	302	3	US-09-457-046B-10	Sequence 10, Appl
573	5	5.2	268	4	US-09-252-991A-23139	Sequence 23139, A	646	5	5.2	302	4	US-09-813-659-18	Sequence 18, Appl
574	5	5.2	270	3	US-09-188-579-84	Sequence 84, Appl	647	5	5.2	302	4	US-09-813-659-32	Sequence 32, Appl
575	5	5.2	270	3	US-09-315-444-84	Sequence 84, Appl	648	5	5.2	302	4	US-09-107-532A-4736	Sequence 4736, Ap
576	5	5.2	270	4	US-09-721-362-84	Sequence 84, Appl	649	5	5.2	303	3	US-09-457-046B-12	Sequence 12, Appl
577	5	5.2	270	4	US-09-252-991A-23186	Sequence 23186, A	650	5	5.2	304	3	US-09-095-117-8	Sequence 8, Appli
578	5	5.2	271	5	PCT-US92-01196-3	Sequence 3, Appli	651	5	5.2	306	4	US-09-252-991A-17986	Sequence 17986, A
579	5	5.2	272	1	US-08-698-551-8	Sequence 8, Appli	652	5	5.2	307	4	US-09-173-300-15	Sequence 15, Appl
580	5	5.2	272	2	US-08-602-228-8	Sequence 8, Appli	653	5	5.2	307	4	US-09-634-238-245	Sequence 245, App
581	5	5.2	272	2	US-08-649-341A-8	Sequence 8, Appli	654	5	5.2	308	1	US-07-828-700-9	Sequence 9, Appli
582	5	5.2	272	2	US-08-494-440B-8	Sequence 8, Appli	655	5	5.2	308	4	US-09-369-247-60	Sequence 60, Appl
583	5	5.2	272	2	US-08-533-901B-8	Sequence 8, Appli	656	5	5.2	310	4	US-09-252-991A-23221	Sequence 23221, A
584	5	5.2	272	2	US-08-839-032A-8	Sequence 8, Appli	657	5	5.2	311	2	US-08-686-599A-19	Sequence 19, Appl
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586	5	5.2	272	3	US-09-154-083-26	Sequence 26, Appl	659	5	5.2	312	1	US-08-630-349-4	Sequence 4, Appli
587	5	5.2	272	4	US-09-185-258C-8	Sequence 8, Appli	660	5	5.2	312	4	US-09-107-532A-4376	Sequence 4376, Ap
588	5	5.2	272	4	US-08-456-640-3	Sequence 3, Appli	661	5	5.2	313	4	US-09-465-901-48	Sequence 48, Appl
589	5	5.2	272	4	US-08-460-221-3	Sequence 3, Appli	662	5	5.2	313	4	US-09-328-352-4795	Sequence 4795, Ap
590	5	5.2	272	4	US-08-458-658-3	Sequence 3, Appli	663	5	5.2	320	4	US-09-574-377-18	Sequence 18, Appl
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592	5	5.2	272	5	PCT-US92-01196-4	Sequence 4, Appli	665	5	5.2	322	3	US-09-080-855-13	Sequence 13, Appl
593	5	5.2	272	5	PCT-US95-12724-8	Sequence 8, Appli	666	5	5.2	322	4	US-09-566-076-13	Sequence 13, Appl
594	5	5.2	273	2	US-08-403-853-18	Sequence 18, Appl	667	5	5.2	322	4	US-09-495-406-34	Sequence 34, Appl
595	5	5.2	273	3	US-08-397-411-6	Sequence 6, Appli	668	5	5.2	324	1	US-08-746-797-2	Sequence 2, Appli
596	5	5.2	274	4	US-09-813-659-30	Sequence 30, Appl	669	5	5.2	324	1	US-08-927-387-2	Sequence 2, Appli
597	5	5.2	274	4	US-09-252-991A-17751	Sequence 17751, A	670	5	5.2	324	2	US-08-918-058-2	Sequence 2, Appli
598	5	5.2	274	4	US-09-252-991A-23172	Sequence 23172, A	671	5	5.2	324	4	US-09-252-991A-22109	Sequence 22109, A
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600	5	5.2	275	4	US-09-149-534-4	Sequence 4, Appli	673	5	5.2	326	6	5223424-2	Patent No. 5223424
601	5	5.2	276	4	US-09-134-001C-5107	Sequence 5107, Ap	674	5	5.2	327	1	US-08-238-163-4	Sequence 4, Appli
602	5	5.2	278	4	US-09-325-932A-165	Sequence 165, App	675	5	5.2	327	4	US-09-134-001C-3477	Sequence 3477, Ap
603	5	5.2	278	4	US-09-328-352-6797	Sequence 6797, Ap	676	5	5.2	329	4	US-09-149-476-483	Sequence 483, App
604	5	5.2	279	4	US-09-252-991A-24419	Sequence 24419, A	677	5	5.2	329	4	US-09-651-200-18	Sequence 18, Appl
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607	5	5.2	281	4	US-09-107-532A-4658	Sequence 4658, Ap	680	5	5.2	330	2	US-08-827-615-2	Sequence 2, Appli
608	5	5.2	282	4	US-09-328-352-6760	Sequence 6760, Ap	681	5	5.2	330	3	US-08-921-209-4	Sequence 4, Appli
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610	5	5.2	285	3	US-09-058-489-12	Sequence 12, Appl	683	5	5.2	330	4	US-09-438-833-4	Sequence 4, Appli
611	5	5.2	286	3	US-08-960-507-20	Sequence 20, Appl	684	5	5.2	330	4	US-09-328-352-7359	Sequence 7359, Ap

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686	5	5.2	332	4	US-09-996-243-517	Sequence 517, App	759	5	5.2	364	3	US-09-333-423-4	Sequence 4, Appli
687	5	5.2	333	4	US-09-453-195A-2	Sequence 2, Appli	760	5	5.2	364	4	US-09-328-352-6008	Sequence 6008, Ap
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689	5	5.2	333	4	US-09-562-737-2	Sequence 2, Appli	762	5	5.2	365	2	US-08-920-296-2	Sequence 2, Appli
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692	5	5.2	333	4	US-09-562-737-7	Sequence 7, Appli	765	5	5.2	365	3	US-09-189-602-2	Sequence 2, Appli
693	5	5.2	333	4	US-09-562-737-10	Sequence 10, Appl	766	5	5.2	365	3	US-09-025-580-26	Sequence 26, Appl
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698	5	5.2	335	1	US-08-085-122-13	Sequence 13, Appl	771	5	5.2	367	4	US-09-182-145-4	Sequence 4, Appli
699	5	5.2	335	3	US-08-442-108B-23	Sequence 23, Appl	772	5	5.2	367	4	US-09-182-145-7	Sequence 7, Appli
700	5	5.2	335	4	US-09-252-991A-25211	Sequence 25211, A	773	5	5.2	367	4	US-09-182-145-8	Sequence 8, Appli
701	5	5.2	337	3	US-08-448-722A-2	Sequence 2, Appli	774	5	5.2	367	4	US-09-182-145-22	Sequence 22, Appl
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704	5	5.2	339	2	US-08-748-725-22	Sequence 22, Appl	777	5	5.2	368	3	US-09-353-688-3	Sequence 3, Appli
705	5	5.2	341	4	US-09-252-991A-20302	Sequence 20302, A	778	5	5.2	368	4	US-09-647-224A-25	Sequence 25, Appl
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709	5	5.2	342	3	US-08-798-760-4	Sequence 4, Appli	782	5	5.2	373	2	US-08-824-878-1	Sequence 1, Appli
710	5	5.2	342	3	US-08-852-824-2	Sequence 2, Appli	783	5	5.2	373	3	US-08-915-213-3	Sequence 3, Appli
711	5	5.2	342	5	PCT-US94-08327-4	Sequence 4, Appli	784	5	5.2	373	3	US-09-353-688-1	Sequence 1, Appli
712	5	5.2	344	6	5210183-2	Patent No. 5210183	785	5	5.2	373	3	US-09-235-217-3	Sequence 3, Appli
713	5	5.2	345	4	US-09-182-145-3	Sequence 3, Appli	786	5	5.2	373	4	US-09-134-001C-4029	Sequence 3, Appli
714	5	5.2	345	4	US-09-182-145-5	Sequence 5, Appli	787	5	5.2	373	4	US-09-107-532A-6084	Sequence 6084, Ap
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716	5	5.2	345	4	US-09-182-145-21	Sequence 21, Appl	789	5	5.2	374	3	US-09-436-983-3	Sequence 3, Appli
717	5	5.2	345	4	US-09-214-631-5	Sequence 5, Appli	790	5	5.2	375	4	US-09-252-991A-30745	Sequence 30745, A
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720	5	5.2	346	1	US-08-458-077-2	Sequence 2, Appli	793	5	5.2	376	4	US-09-328-352-8084	Sequence 8084, Ap
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724	5	5.2	346	4	US-09-039-642B-2	Sequence 2, Appli	797	5	5.2	383	4	US-09-134-001C-3429	Sequence 3429, Ap
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729	5	5.2	348	4	US-09-291-046-8	Sequence 8, Appli	802	5	5.2	386	4	US-09-252-991A-27454	Sequence 27454, A
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733	5	5.2	352	4	US-09-252-991A-25209	Sequence 25209, A	806	5	5.2	391	1	US-08-103-445-5	Sequence 5, Appli
734	5	5.2	354	4	US-09-252-991A-19736	Sequence 19736, A	807	5	5.2	391	1	US-08-461-690B-5	Sequence 5, Appli
735	5	5.2	354	4	US-09-198-452A-504	Sequence 504, App	808	5	5.2	391	2	US-08-501-003A-16	Sequence 16, Appl
736	5	5.2	354	4	US-09-574-377-10	Sequence 10, Appl	809	5	5.2	391	2	US-09-252-991A-32015	Sequence 32015, A
737	5	5.2	354	4	US-09-574-377-22	Sequence 22, Appl	810	5	5.2	392	4	US-09-134-001C-3088	Sequence 3088, Ap
738	5	5.2	354	4	US-09-574-377-25	Sequence 25, Appl	811	5	5.2	393	4	US-09-432-470-2	Sequence 2, Appli
739	5	5.2	355	4	US-09-574-377-8	Sequence 8, Appli	812	5	5.2	393	4	US-09-432-470-4	Sequence 4, Appli
740	5	5.2	355	4	US-09-574-377-12	Sequence 12, Appl	813	5	5.2	393	4	US-09-252-991A-17136	Sequence 17136, A
741	5	5.2	355	4	US-09-574-377-14	Sequence 14, Appl	814	5	5.2	395	1	US-08-318-947A-18	Sequence 18, Appl
742	5	5.2	355	4	US-09-574-377-16	Sequence 16, Appl	815	5	5.2	395	2	US-08-795-303-18	Sequence 18, Appl
743	5	5.2	356	4	US-09-308-003-20	Sequence 20, Appl	816	5	5.2	395	4	US-09-247-155-113	Sequence 113, App
744	5	5.2	356	4	US-09-198-452A-526	Sequence 526, App	817	5	5.2	395	4	US-09-252-991A-31694	Sequence 31694, A
745	5	5.2	357	3	US-08-960-780-46	Sequence 46, Appl	818	5	5.2	395	4	US-09-107-532A-6955	Sequence 6955, Ap
746	5	5.2	357	3	US-09-073-898-46	Sequence 46, Appl	819	5	5.2	396	1	US-07-841-646-5	Sequence 5, Appli
747	5	5.2	357	4	US-09-252-991A-17293	Sequence 17293, A	820	5	5.2	396	1	US-07-901-703-15	Sequence 15, Appl
748	5	5.2	357	4	US-09-252-991A-27526	Sequence 27526, A	821	5	5.2	396	1	US-08-147-023-5	Sequence 5, Appli
749	5	5.2	357	4	US-09-198-452A-487	Sequence 487, App	822	5	5.2	396	1	US-08-447-570-5	Sequence 5, Appli
750	5	5.2	358	4	US-09-134-001C-3048	Sequence 3048, Ap	823	5	5.2	396	2	US-08-459-346-10	Sequence 10, Appl
751	5	5.2	358	4	US-08-937-834-4	Sequence 4, Appli	824	5	5.2	396	2	US-08-449-700-5	Sequence 5, Appli
752	5	5.2	359	4	US-09-653-375B-8	Sequence 8, Appli	825	5	5.2	396	2	US-07-989-847-2	Sequence 2, Appli
753	5	5.2	360	4	US-09-020-743-2	Sequence 2, Appli	826	5	5.2	396	2	US-08-449-699A-5	Sequence 5, Appli
754	5	5.2	360	4	US-09-252-991A-22980	Sequence 22980, A	827	5	5.2	396	3	US-08-889-419-10	Sequence 10, Appl
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756	5	5.2	363	1	US-08-877-109-6	Sequence 6, Appli	829	5	5.2	396	3	US-08-469-411-2	Sequence 2, Appli
757	5	5.2	363	3	US-08-798-760-6	Sequence 6, Appli	830	5	5.2	396	3	US-08-925-779-4	Sequence 4, Appli

831	5	5.2	396	4	US-08-402-542-10	Sequence 10, Appl	904	5	5.2	423	3	US-09-243-374-6	Sequence 6, Appli
832	5	5.2	396	4	US-09-252-991A-19813	Sequence 19813, A	905	5	5.2	423	3	US-09-137-440-8	Sequence 8, Appli
833	5	5.2	396	4	US-09-148-925C-5	Sequence 5, Appli	906	5	5.2	423	4	US-09-252-991A-21082	Sequence 21082, A
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835	5	5.2	396	4	PCT-US91-03540A-8	Sequence 8, Appli	908	5	5.2	424	2	US-08-871-268A-23	Sequence 23, Appl
836	5	5.2	396	5	PCT-US93-05446-15	Sequence 15, Appl	909	5	5.2	424	2	US-08-871-267B-31	Sequence 31, Appl
837	5	5.2	396	5	PCT-US93-07189-10	Sequence 10, Appl	910	5	5.2	424	3	US-09-618-419-31	Sequence 31, Appl
838	5	5.2	396	6	5166058-4	Patent No. 5166058	911	5	5.2	424	4	US-09-163-674-23	Sequence 23, Appl
839	5	5.2	397	4	US-09-134-001C-5504	Sequence 5504, Ap	912	5	5.2	425	1	US-08-414-926A-15	Sequence 15, Appl
840	5	5.2	397	4	US-09-252-991A-27923	Sequence 27923, A	913	5	5.2	425	2	US-08-926-922-15	Sequence 15, Appl
841	5	5.2	398	2	US-08-871-268A-21	Sequence 21, Appl	914	5	5.2	425	3	US-09-253-682-15	Sequence 15, Appl
842	5	5.2	398	3	US-08-871-267B-29	Sequence 29, Appl	915	5	5.2	425	3	US-09-527-657-15	Sequence 15, Appl
843	5	5.2	398	3	US-09-618-419-29	Sequence 29, Appl	916	5	5.2	425	3	US-09-527-657-15	Sequence 23, Appl
844	5	5.2	398	4	US-09-163-674-21	Sequence 21, Appl	917	5	5.2	425	4	US-09-403-343B-23	Sequence 57, Appl
845	5	5.2	399	4	US-09-323-872A-17	Sequence 17, Appl	918	5	5.2	427	1	US-08-476-008-57	Sequence 57, Appl
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861	5	5.2	403	4	US-09-252-991A-30953	Sequence 30953, A	934	5	5.2	427	3	US-09-137-440-57	Sequence 57, Appl
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900	5	5.2	422	4	US-09-198-452A-377	Sequence 377, App	973	5	5.2	441	3	US-09-137-440-62	Sequence 62, Appl
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ALIGNMENTS

RESULT 1
US-09-732-210-157
; Sequence 157, Application US/09732210
; Patent No. 6573361
; GENERAL INFORMATION:
; APPLICANT: Bunkers, Greg J.
; APPLICANT: Liang, Jihong
; APPLICANT: Mittanck, Cindy A.
; APPLICANT: Seale, Jeffrey W.
; APPLICANT: Wu, Yonnie S.
; TITLE OF INVENTION: Anti-fungal Proteins and Methods for Their Use
; FILE REFERENCE: 38-21(15036)B
; CURRENT APPLICATION NUMBER: US/09/732,210
; CURRENT FILING DATE: 2000-12-07
; PRIOR APPLICATION NUMBER: US 60/169,513
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: US 60/169,340
; PRIOR FILING DATE: 1999-12-07
; NUMBER OF SEQ ID NOS: 1753
; SEQ ID NO 157
; LENGTH: 67
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; ORGANISM: Aquifex aeolicus
US-09-732-210-157

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Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 26 ERKKRR 33
Db 43 ERKKRR 50

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; Sequence 225, Application US/09732210
; Patent No. 6573361
; GENERAL INFORMATION:
; APPLICANT: Bunkers, Greg J.
; APPLICANT: Liang, Jihong
; APPLICANT: Mittanck, Cindy A.
; APPLICANT: Seale, Jeffrey W.
; APPLICANT: Wu, Yonnie S.

; TITLE OF INVENTION: Anti-fungal Proteins and Methods for Their Use
; FILE REFERENCE: 38-21(15036)B
; CURRENT APPLICATION NUMBER: US/09/732,210
; CURRENT FILING DATE: 2000-12-07
; PRIOR APPLICATION NUMBER: US 60/169,513
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: US 60/169,340
; PRIOR FILING DATE: 1999-12-07
; NUMBER OF SEQ ID NOS: 1753
; SEQ ID NO 225
; LENGTH: 129
; TYPE: PRT
; ORGANISM: Chlamydia trachomatis
US-09-732-210-225

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Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 23 RKRRKK 29
Db 108 RKRRKK 114

RESULT 3
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; Sequence 30401, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 30401
; LENGTH: 155
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-30401

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Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 81 GCLPWAT 87
Db 149 GCLPWAT 155

RESULT 4
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; Sequence 6497, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 7310
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM: CD-ROM ISO9660
; MEDIUM TYPE: CD-ROM ISO9660


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; COMPUTER: PC
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: ASCII
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; APPLICATION NUMBER: US/09/107,532A
; FILING DATE: 30-Jun-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/085,598
; FILING DATE: 14 May 1998
; APPLICATION NUMBER: 60/051571
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Deneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-012
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 6497:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 295 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ORIGINAL SOURCE:
; ORGANISM: Enterococcus faecium
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (B) LOCATION 1...295
; SEQUENCE DESCRIPTION: SEQ ID NO: 6497:
US-09-107-532A-6497

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QY 22 LRKKRK 28
Db 288 LRKKRK 294

RESULT 5
US-09-258-754-407
; Sequence 407, Application US/09258754
; Patent No. 6174687
; GENERAL INFORMATION:
; APPLICANT: Ruoslahti, Erkki
; APPLICANT: Rajotte, Daniel
; TITLE OF INVENTION: Methods of Identifying Lung Homing Molecules Using
; TITLE OF INVENTION: Membrane Dipeptidase
; FILE REFERENCE: P-LJ 3443
; CURRENT APPLICATION NUMBER: US/09/258,754
; CURRENT FILING DATE: 1999-02-26
; EARLIER APPLICATION NUMBER: 09/042,107
; EARLIER FILING DATE: 1998-03-13
; NUMBER OF SEQ ID NOS: 452
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 407
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-258-754-407

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QY 78 LTGGCL 83
Db 78 LTGGCL 83

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Db 2 LTGGCL 7

RESULT 6
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; Sequence 407, Application US/09042107
; Patent No. 6232287
; GENERAL INFORMATION:
; APPLICANT: Ruoslahti, Erkki
; APPLICANT: Pasqualini, Renata
; TITLE OF INVENTION: Molecules that Home to Various Selected Organs or
; TITLE OF INVENTION: Tissues
; FILE REFERENCE: P-LJ 2892
; CURRENT APPLICATION NUMBER: US/09/042,107
; CURRENT FILING DATE: 1998-03-13
; NUMBER OF SEQ ID NOS: 436
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 407
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-042-107-407

Query Match 6.2%; Score 6; DB 3; Length 7;
Best Local Similarity 100.0%; Pred. No. 2.5e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 78 LTGGCL 83
Db 2 LTGGCL 7

RESULT 7
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; Patent No. 5171680
; APPLICANT: MULLENBACH, GUY T.; HALLEWELL, ROBERT A.; VALEZUELA,
; PABLO
; TITLE OF INVENTION: SUPEROXIDE DISMUTASE ANALOGS HAVING NOVEL
; BINDING PROPERTIES
; NUMBER OF SEQUENCES: 15
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/561,442
; FILING DATE: 01-AUG-1990
; SEQ ID NO:14:
; LENGTH: 27
5171680-14

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Best Local Similarity 100.0%; Pred. No. 17;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 26 ERKKKR 31
Db 13 ERKKKR 18

RESULT 8
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; Sequence 355, Application US/09205258
; Patent No. 6525174
; GENERAL INFORMATION:
; APPLICANT: Young et al.
; TITLE OF INVENTION: 207 Human Secreted Proteins
; FILE REFERENCE: PZ007P1
; CURRENT APPLICATION NUMBER: US/09/205,258
; CURRENT FILING DATE: 1998-12-04
; EARLIER APPLICATION NUMBER: PCT/US98/11422
; EARLIER FILING DATE: 1998-06-04
; EARLIER APPLICATION NUMBER: 60/048,885
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/049,375

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EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/048,881
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EARLIER FILING DATE: 1997-06-06
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EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/048,876
EARLIER FILING DATE: 1997-06-06
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EARLIER APPLICATION NUMBER: 60/048,894
EARLIER FILING DATE: 1997-06-06
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EARLIER APPLICATION NUMBER: 60/048,878
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EARLIER APPLICATION NUMBER: 60/070,923
EARLIER FILING DATE: 1997-12-18
EARLIER APPLICATION NUMBER: 60/092,921
EARLIER FILING DATE: 1998-07-15

EARLIER APPLICATION NUMBER: 60/094,657
EARLIER FILING DATE: 1998-07-30
NUMBER OF SEQ ID NOS: 1227
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 355
LENGTH: 71
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: SITE
LOCATION: (35)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
FEATURE:
NAME/KEY: SITE
LOCATION: (71)
OTHER INFORMATION: Xaa equals stop translation
US-09-205-258-355

Query Match 6.2%; Score 6; DB 4; Length 71;
Best Local Similarity 100.0%; Pred. No. 41;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 89 SHLGR 94
Db 58 SHLGR 63

RESULT 9

US-09-250-609-19
Sequence 19, Application US/09250609A
Patent No. 6458943
GENERAL INFORMATION:
APPLICANT: Byrne, Jennifer A.
TITLE OF INVENTION: Members of the D52 Gene Family
FILE REFERENCE: 1383.0210002
CURRENT APPLICATION NUMBER: US/09/250,609A
CURRENT FILING DATE: 1999-02-17
NUMBER OF SEQ ID NOS: 108
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 19
LENGTH: 73
TYPE: PRT
ORGANISM: Homo sapiens
US-09-250-609-19

Query Match 6.2%; Score 6; DB 4; Length 73;
Best Local Similarity 100.0%; Pred. No. 42;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 14 SETLSQ 19
Db 16 SETLSQ 21

RESULT 10

US-09-250-611-19
Sequence 19, Application US/09250611
Patent No. 6528283
GENERAL INFORMATION:
APPLICANT: Byrne, Jennifer A.
TITLE OF INVENTION: Members of the D52 Gene Family
FILE REFERENCE: 1383.0210001
CURRENT APPLICATION NUMBER: US/09/250,611
CURRENT FILING DATE: 1999-02-17
NUMBER OF SEQ ID NOS: 108
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 19
LENGTH: 73
TYPE: PRT
ORGANISM: Homo sapiens
US-09-250-611-19

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Query Match          6.2%; Score 6; DB 4; Length 73;
Best Local Similarity 100.0%; Pred. No. 42;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 14 SETLSQ 19
Db 16 SETLSQ 21

RESULT 11
US-09-134-001C-2855
; Sequence 2855, Application US/09134001C
; Patent No. 6380370
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
; TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GTC-007
; CURRENT APPLICATION NUMBER: US/09/134,001C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/064,964
; PRIOR FILING DATE: 1997-11-08
; PRIOR APPLICATION NUMBER: US 60/055,779
; PRIOR FILING DATE: 1997-08-14
; NUMBER OF SEQ ID NOS: 5674
; SEQ ID NO 2855
; LENGTH: 88
; TYPE: PRT
; ORGANISM: Staphylococcus epidermidis
US-09-134-001C-2855

Query Match          6.2%; Score 6; DB 4; Length 88;
Best Local Similarity 100.0%; Pred. No. 50;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 23 RKXERK 28
Db 43 RKXERK 48

RESULT 12
US-09-107-532A-6511
; Sequence 6511, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 7310
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660
; COMPUTER: PC
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,532A
; FILING DATE: 30-Jun-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/085,598
; FILING DATE: 14 May 1998
; APPLICATION NUMBER: 60/051571
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Deneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-012

```

```

; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 6511:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 94 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ORIGINAL SOURCE:
; ORGANISM: Enterococcus faecium
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (B) LOCATION 1...94
; SEQUENCE DESCRIPTION: SEQ ID NO: 6511:
US-09-107-532A-6511

Query Match          6.2%; Score 6; DB 4; Length 94;
Best Local Similarity 100.0%; Pred. No. 53;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 17 LSQTEL 22
Db 39 LSQTEL 44

RESULT 13
US-08-168-091A-26
; Sequence 26, Application US/08168091A
; Patent No. 5665862
; GENERAL INFORMATION:
; APPLICANT: Fischbach, Gerald.
; APPLICANT: Falls, Douglas R.
; APPLICANT: Rosen, Kenneth M.
; APPLICANT: Corfas, Gabriel
; TITLE OF INVENTION: Neurotrophic Factor
; NUMBER OF SEQUENCES: 47
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE AND COCKFIELD
; STREET: 60 State Street, Suite 510
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/168,091A
; FILING DATE: 15-DEC-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/953,742
; FILING DATE: 29-SEP-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: DeConti, Giulio A
; REGISTRATION NUMBER: 31,503
; REFERENCE/DOCKET NUMBER: HMI-002CP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 26:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 113 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
US-08-168-091A-26

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Query Match 6.2%; Score 6; DB 1; Length 113;
Best Local Similarity 100.0%; Pred. No. 62;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 24 KKERK 29
Db 92 KKERK 97
RESULT 14
US-09-252-991A-27185
; Sequence 27185, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 27185
; LENGTH: 130
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-27185

Query Match 6.2%; Score 6; DB 4; Length 130;
Best Local Similarity 100.0%; Pred. No. 71;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 2 VEVSRD 7
Db 41 VEVSRD 46

RESULT 15
US-09-732-210-1267
; Sequence 1267, Application US/09732210
; Patent No. 6573361
; GENERAL INFORMATION:
; APPLICANT: Bunkers, Greg J.
; APPLICANT: Liang, Jihong
; APPLICANT: Mittanck, Cindy A.
; APPLICANT: Seale, Jeffrey W.
; APPLICANT: Wu, Yonnie S.
; TITLE OF INVENTION: Anti-fungal Proteins and Methods for Their Use
; FILE REFERENCE: 38-21(15036)B
; CURRENT APPLICATION NUMBER: US/09/732,210
; CURRENT FILING DATE: 2000-12-07
; PRIOR APPLICATION NUMBER: US 60/169,513
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: US 60/169,340
; PRIOR FILING DATE: 1999-12-07
; NUMBER OF SEQ ID NOS: 1753
; SEQ ID NO 1267
; LENGTH: 137
; TYPE: PRT
; ORGANISM: Porphyra purpurea
US-09-732-210-1267

Query Match 6.2%; Score 6; DB 4; Length 137;
Best Local Similarity 100.0%; Pred. No. 74;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 92 GRRKCS 97
Db 16 GRRKCS 21

RESULT 16
US-09-198-452A-725
; Sequence 725, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
; APPLICANT: Griffais, R.
; TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragment
; TITLE OF INVENTION: thereof and uses thereof, in particular for the diagnosis, prevention
; TITLE OF INVENTION: and treatment of infection
; FILE REFERENCE: 9710-003-999
; CURRENT APPLICATION NUMBER: US/09/198,452A
; CURRENT FILING DATE: 1998-11-24
; NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 725
; LENGTH: 143
; TYPE: PRT
; ORGANISM: Chlamydia pneumoniae
; NAME/KEY: SITE
; LOCATION: 1...143
; OTHER INFORMATION: Xaa=unknown or other
US-09-198-452A-725
Query Match 6.2%; Score 6; DB 4; Length 143;
Best Local Similarity 100.0%; Pred. No. 77;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 59 IQESLL 64
Db 93 IQESLL 98

RESULT 17
US-09-668-673B-7
; Sequence 7, Application US/09668673B
; Patent No. 6562956
; GENERAL INFORMATION:
; APPLICANT: Emerson, Charles P
; APPLICANT: Dhoot, Gurtej K
; TITLE OF INVENTION: IDENTIFICATION AND CLONING OF A NEW SUBFAMILY OF
; TITLE OF INVENTION: SULFATASES AND FUNCTIONAL EMBRYONIC TECHNIQUES FOR
; TITLE OF INVENTION: CHARACTERIZATION OF SUCH PROTEINS
; FILE REFERENCE: PENN-0733
; CURRENT APPLICATION NUMBER: US/09/668,673B
; CURRENT FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 60/155,738
; PRIOR FILING DATE: 1999-09-23
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
; LENGTH: 160
; TYPE: PRT
; ORGANISM: Mus sp.
US-09-668-673B-7

Query Match 6.2%; Score 6; DB 4; Length 160;
Best Local Similarity 100.0%; Pred. No. 85;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 23 RKKERK 28
Db 66 RKKERK 71

RESULT 18
US-09-562-737-77
; Sequence 77, Application US/09562737
; Patent No. 6428967
; GENERAL INFORMATION:
; APPLICANT: Herz, Joachim
; APPLICANT: Gotthardt, Michael

; TITLE OF INVENTION: LDL Receptor Signaling Pathways

; FILE REFERENCE: UTSW0708

; CURRENT APPLICATION NUMBER: US/09/562,737

; CURRENT FILING DATE: 2000-05-01

; NUMBER OF SEQ ID NOS: 132

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 77

; LENGTH: 163

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence: Synthetic

; OTHER INFORMATION: Sequence

US-09-562-737-77

Query Match

Best Local Similarity 6.2%; Score 6; DB 4; Length 163;

Mismatches 0; Conservative 0; Indels 0; Gaps 0;

Qy 9 ASLGDS 14

Db 13 ASLGDS 18

RESULT 19

US-09-252-991A-17601

; Sequence 17601, Application US/09252991A

; Patent No. 6551795

; GENERAL INFORMATION:

; APPLICANT: Marc J. Rubenfield et al.

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

; FILE REFERENCE: 107196.136

; CURRENT APPLICATION NUMBER: US/09/252,991A

; CURRENT FILING DATE: 1999-02-18

; PRIOR APPLICATION NUMBER: US 60/074,788

; PRIOR FILING DATE: 1998-02-18

; PRIOR APPLICATION NUMBER: US 60/094,190

; PRIOR FILING DATE: 1998-07-27

; NUMBER OF SEQ ID NOS: 33142

; SEQ ID NO 17601

; LENGTH: 165

; TYPE: PRT

; ORGANISM: Pseudomonas aeruginosa

US-09-252-991A-17601

Query Match

Best Local Similarity 6.2%; Score 6; DB 4; Length 165;

Mismatches 0; Conservative 0; Indels 0; Gaps 0;

Qy 79 TGGCLP 84

Db 17 TGGCLP 22

RESULT 20

US-08-715-204-5

; Sequence 5, Application US/08715204

; Patent No. 5874286

; GENERAL INFORMATION:

; APPLICANT: Bandman, Olga

; APPLICANT: Au-Young, Janice

; APPLICANT: Goli, Surya K.

; APPLICANT: Hillman, Jennifer.

; APPLICANT: Zweiger, Gary B.

; TITLE OF INVENTION: A NOVEL TUMOR PROTEIN

; NUMBER OF SEQUENCES: 7

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Incyte Pharmaceuticals, Inc.

; STREET: 3174 Porter Drive

; CITY: Palo Alto

; STATE: CA

; COUNTRY: U.S.

; ZIP: 94304

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: DOS

; SOFTWARE: FastSeq Version 1.5

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/715,204

; FILING DATE: Filed Herewith

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER:

; FILING DATE:

; ATTORNEY/AGENT INFORMATION:

; NAME: Billings, Lucy J.

; REGISTRATION NUMBER: 36,749

; REFERENCE/DOCKET NUMBER: PF-0126 US

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 415-855-0555

; TELEFAX: 415-845-4166

; INFORMATION FOR SEQ ID NO: 5:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 184 amino acids

; TYPE: amino acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: peptide

; IMMEDIATE SOURCE:

; LIBRARY: GenBank

; CLONE: 790225

US-08-715-204-5

Query Match

Best Local Similarity 6.2%; Score 6; DB 2; Length 184;

Mismatches 0; Conservative 0; Indels 0; Gaps 0;

Qy 14 SETLSQ 19

Db 100 SETLSQ 105

RESULT 21

US-08-691-814B-50

; Sequence 50, Application US/08691814B

; Patent No. 5981218

; GENERAL INFORMATION:

; APPLICANT: Rio, Marie-Christine

; APPLICANT: Tomasetto, Catherine

; APPLICANT: Basset, Paul

; APPLICANT: Byrne, Jennifer

; TITLE OF INVENTION: Isolated Nucleic Acid Molecules Useful

; as Leukemia Markers and in Breast Cancer Prognosis

; NUMBER OF SEQUENCES: 124

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.

; STREET: 1100 New York Ave, NW, Suite 600

; CITY: Washington

; STATE: DC

; COUNTRY: USA

; ZIP: 20005-3934

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/691,814B

; FILING DATE: 31-JUL-1996

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 60/002,183

; FILING DATE: 09-AUG-1995

; ATTORNEY/AGENT INFORMATION:

; NAME: Steffe, Eric K.

REGISTRATION NUMBER: 36,688
REFERENCE/DOCKET NUMBER: 1383.0090001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-2600
TELEFAX: 202-371-2543
INFORMATION FOR SEQ ID NO: 50:
SEQUENCE CHARACTERISTICS:
LENGTH: 184 amino acids
TYPE: amino acid
STRANDEDNESS: not relevant
TOPOLOGY: not relevant
MOLECULE TYPE: peptide
US-08-691-814B-50

Query Match 6.2%; Score 6; DB 2; Length 184;
Best Local Similarity 100.0%; Pred. No. 96;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 14 SETLSQ 19
Db 100 SETLSQ 105

RESULT 22
US-09-162-597-5
Sequence 5, Application US/09162597
Patent No. 6043343
GENERAL INFORMATION:
APPLICANT: Bandman, Olga
APPLICANT: Au-Young, Janice
APPLICANT: Goli, Surya K.
APPLICANT: Hillman, Jennifer.
APPLICANT: Zweiger, Gary B.
TITLE OF INVENTION: A NOVEL TUMOR PROTEIN
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: U.S.
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/162,597
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/715,204
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0126 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 184 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
IMMEDIATE SOURCE:
LIBRARY: GenBank
CLONE: 790225
US-09-162-597-5

Query Match 6.2%; Score 6; DB 3; Length 184;

Best Local Similarity 100.0%; Pred. No. 96;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 14 SETLSQ 19
Db 100 SETLSQ 105

RESULT 23
US-09-250-609-13
Sequence 13, Application US/09250609A
Patent No. 6458943
GENERAL INFORMATION:
APPLICANT: Byrne, Jennifer A.
TITLE OF INVENTION: Members of the D52 Gene Family
FILE REFERENCE: 1383.0210002
CURRENT APPLICATION NUMBER: US/09/250,609A
CURRENT FILING DATE: 1999-02-17
NUMBER OF SEQ ID NOS: 108
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 13
LENGTH: 184
TYPE: PRT
ORGANISM: Homo sapiens
US-09-250-609-13

Query Match 6.2%; Score 6; DB 4; Length 184;
Best Local Similarity 100.0%; Pred. No. 96;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 14 SETLSQ 19
Db 100 SETLSQ 105

RESULT 24
US-09-250-611-13
Sequence 13, Application US/09250611
Patent No. 6528283
GENERAL INFORMATION:
APPLICANT: Byrne, Jennifer A.
APPLICANT: Basset, Paul
TITLE OF INVENTION: Members of the D52 Gene Family
FILE REFERENCE: 1383.0210001
CURRENT APPLICATION NUMBER: US/09/250,611
CURRENT FILING DATE: 1999-02-17
NUMBER OF SEQ ID NOS: 108
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 13
LENGTH: 184
TYPE: PRT
ORGANISM: Homo sapiens
US-09-250-611-13

Query Match 6.2%; Score 6; DB 4; Length 184;
Best Local Similarity 100.0%; Pred. No. 96;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 14 SETLSQ 19
Db 100 SETLSQ 105

RESULT 25
US-08-691-814B-12
Sequence 12, Application US/08691814B
Patent No. 5981218
GENERAL INFORMATION:
APPLICANT: Rio, Marie-Christine
APPLICANT: Tomasetto, Catherine
APPLICANT: Basset, Paul
APPLICANT: Byrne, Jennifer
TITLE OF INVENTION: Isolated Nucleic Acid Molecules Useful

; TITLE OF INVENTION: as Leukemia Markers and in Breast Cancer Prognosis
; NUMBER OF SEQUENCES: 124
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
; STREET: 1100 New York Ave, NW, Suite 600
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/691,814B
; FILING DATE: 31-JUL-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/002,183
; FILING DATE: 09-AUG-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Steffe, Eric K.
; REGISTRATION NUMBER: 36,688
; REFERENCE/DOCKET NUMBER: 1383.0090001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2543
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 185 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-691-814B-12

Query Match 6.2%; Score 6; DB 2; Length 185;
Best Local Similarity 100.0%; Pred. No. 97;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 14 SETLSQ 19
Db 100 SETLSQ 105

RESULT 26
US-09-250-609-11
; Sequence 11, Application US/09250609A
; Patent No. 6458943
; GENERAL INFORMATION:
; APPLICANT: Byrne, Jennifer A.
; TITLE OF INVENTION: Members of the D52 Gene Family
; FILE REFERENCE: 1383.0210002
; CURRENT APPLICATION NUMBER: US/09/250,609A
; CURRENT FILING DATE: 1999-02-17
; NUMBER OF SEQ ID NOS: 108
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
; LENGTH: 185
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-250-609-11

Query Match 6.2%; Score 6; DB 4; Length 185;
Best Local Similarity 100.0%; Pred. No. 97;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 14 SETLSQ 19
Db 100 SETLSQ 105

RESULT 27

US-09-250-611-11
; Sequence 11, Application US/09250611
; Patent No. 6528283
; GENERAL INFORMATION:
; APPLICANT: Byrne, Jennifer A.
; APPLICANT: Basset, Paul
; TITLE OF INVENTION: Members of the D52 Gene Family
; FILE REFERENCE: 1383.0210001
; CURRENT APPLICATION NUMBER: US/09/250,611
; CURRENT FILING DATE: 1999-02-17
; NUMBER OF SEQ ID NOS: 108
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
; LENGTH: 185
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-250-611-11

Query Match 6.2%; Score 6; DB 4; Length 185;
Best Local Similarity 100.0%; Pred. No. 97;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 14 SETLSQ 19
Db 100 SETLSQ 105

RESULT 28
US-09-252-991A-19925
; Sequence 19925, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 19925
; LENGTH: 212
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
; FEATURE:
; NAME/KEY: UNSURE
; LOCATION: (198),(199),(200),(202),(203),(204)
; OTHER INFORMATION: Identity of amino acid at the above locations are unknown.
US-09-252-991A-19925

Query Match 6.2%; Score 6; DB 4; Length 212;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 27 RKKKRE 32
Db 191 RKKKRE 196

RESULT 29
US-09-690-454-69
; Sequence 69, Application US/09690454
; Patent No. 6531447
; GENERAL INFORMATION:
; APPLICANT: Steven M. Ruben, et al.
; TITLE OF INVENTION: 32 Human Secreted Proteins
; FILE REFERENCE: PZ006P1
; CURRENT APPLICATION NUMBER: US/09/690,454
; CURRENT FILING DATE: 2000-10-18
; PRIOR APPLICATION NUMBER: 09/189,144

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; PRIOR FILING DATE: 1998-11-10
; PRIOR APPLICATION NUMBER: 60/044,039
; PRIOR FILING DATE: May 30, 1997
; PRIOR APPLICATION NUMBER: 60/048,093
; PRIOR FILING DATE: May 30, 1997
; PRIOR APPLICATION NUMBER: 60/048,190
; PRIOR FILING DATE: May 30, 1997
; PRIOR APPLICATION NUMBER: 60/050,935
; PRIOR FILING DATE: May 30, 1997
; PRIOR APPLICATION NUMBER: 60/048,101
; PRIOR FILING DATE: May 30, 1997
; PRIOR APPLICATION NUMBER: 60/048,356
; PRIOR FILING DATE: May 30, 1997
; PRIOR APPLICATION NUMBER: 60/056,250
; PRIOR FILING DATE: August 29, 1997
; PRIOR APPLICATION NUMBER: 60/056,296
; PRIOR FILING DATE: August 29, 1997
; PRIOR APPLICATION NUMBER: 60/056,293
; PRIOR FILING DATE: August 29, 1997
; NUMBER OF SEQ ID NOS: 229
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 69
; LENGTH: 216
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (216)
; OTHER INFORMATION: Xaa equals stop translation
US-09-690-454-69
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Query Match          6.2%; Score 6; DB 4; Length 216;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      16 TLSQTE 21
        |||||
Db      150 TLSQTE 155
```

```
RESULT 30
US-08-675-885-2
; Sequence 2, Application US/08675885
; Patent No. 6066723
; GENERAL INFORMATION:
; APPLICANT: Grammatikakis, Nicholas
; APPLICANT: Grammatikakis, Aliki
; APPLICANT: Toole, Bryan P.
; APPLICANT: Cochran, Brent
; TITLE OF INVENTION: NUCLEIC ACID ENCODING VERTEBRATE CDC37
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Kevin M. Farrell, P.C.
; STREET: P.O. Box 999
; CITY: York Harbor
; STATE: ME
; COUNTRY: US
; ZIP: 03909
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/675,885
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Farrell, Kevin M.
; REGISTRATION NUMBER: 35,505
; REFERENCE/DOCKET NUMBER: TU-9601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 207 3630558
```

```
; TELEFAX: 207 3630528
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 246 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-675-885-2
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Query Match          6.2%; Score 6; DB 3; Length 246;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
QY      21 ELRKKE 26
        |||||
Db       3 ELRKKE 8
```

```
RESULT 31
US-09-134-001C-3847
; Sequence 3847, Application US/09134001C
; Patent No. 6380370
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
; FILE REFERENCE: GTC-007
; CURRENT APPLICATION NUMBER: US/09/134,001C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/064,964
; PRIOR FILING DATE: 1997-11-08
; PRIOR APPLICATION NUMBER: US 60/055,779
; PRIOR FILING DATE: 1997-08-14
; NUMBER OF SEQ ID NOS: 5674
; SEQ ID NO 3847
; LENGTH: 252
; TYPE: PRT
; ORGANISM: Staphylococcus epidermidis
US-09-134-001C-3847
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Query Match          6.2%; Score 6; DB 4; Length 252;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      28 KKKRER 33
        |||||
Db      25 KKKRER 30
```

```
RESULT 32
US-09-328-352-6027
; Sequence 6027, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
; FILE REFERENCE: GTC99-03PA
; CURRENT APPLICATION NUMBER: US/09/328,352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 6027
; LENGTH: 289
; TYPE: PRT
; ORGANISM: Acinetobacter baumannii
US-09-328-352-6027
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Query Match          6.2%; Score 6; DB 4; Length 289;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
QY      10 SLGDSE 15
        |||||
```

Db 37 SLGDSE 42

RESULT 33

US-09-328-352-8079

; Sequence 8079, Application US/09328352

; Patent No. 6562958

; GENERAL INFORMATION:

; APPLICANT: Gary L. Breton et al.

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER

; FILE REFERENCE: GTC99-03PA

; CURRENT FILING DATE: 1999-06-04

; NUMBER OF SEQ ID NOS: 8252

; SEQ ID NO 8079

; LENGTH: 306

; TYPE: PRT

; ORGANISM: Acinetobacter baumannii

US-09-328-352-8079

Query Match 6.2%; Score 6; DB 4; Length 306;

Best Local Similarity 100.0%; Pred. No. 1.5e+02;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 40 GIDFII 45

Db 195 GIDFII 200

RESULT 34

US-08-702-344-28

; Sequence 28, Application US/08702344

; Patent No. 5723315

; GENERAL INFORMATION:

; APPLICANT: Jacobs, Kenneth

; APPLICANT: McCoy, John

; APPLICANT: Lavallie, Edward

; APPLICANT: Racie, Lisa

; APPLICANT: Merberg, David

; APPLICANT: Treacy, Maurice

; APPLICANT: Spaulding, Vikki

; TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES

; TITLE OF INVENTION: ENCODING THEM

; NUMBER OF SEQUENCES: 37

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Genetics Institute, Inc.

; STREET: 87 CambridgePark Drive

; CITY: Cambridge

; STATE: Massachusetts

; COUNTRY: U.S.A.

; ZIP: 02140

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/702,344

; FILING DATE:

; CLASSIFICATION: 536

; ATTORNEY/AGENT INFORMATION:

; NAME: Brown, Scott A.

; REGISTRATION NUMBER: 32,724

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (617) 498-8224

; TELEFAX: (617) 876-5851

; INFORMATION FOR SEQ ID NO: 28:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 319 amino acids

; TYPE: amino acid

; STRANDEDNESS: linear

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-08-702-344-28

Query Match 6.2%; Score 6; DB 1; Length 319;

Best Local Similarity 100.0%; Pred. No. 1.6e+02;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 16 TLSQTE 21

Db 247 TLSQTE 252

RESULT 35

US-08-646-981-17

; Sequence 17, Application US/08646981

; Patent No. 5852183

; GENERAL INFORMATION:

; APPLICANT: MAEDA, HIROAKI

; APPLICANT: EDA, YASUYUKI

; APPLICANT: KIMACHI, KAZUHIKO

; APPLICANT: ONO, YOICHI

; APPLICANT: TOKIYOSHI, SACHIO

; TITLE OF INVENTION: DOG-MOUSE HETEROHYBRIDOMA AND GENE

; TITLE OF INVENTION: FRAGMENT CODING FOR CONSTANT REGION OF CANINE

; TITLE OF INVENTION: IMMUNOGLOBULINS

; NUMBER OF SEQUENCES: 17

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: BIRCH, STEWART, KOLASCH AND BIRCH

; STREET: PO BOX 747

; CITY: FALLS CHURCH

; STATE: VA

; COUNTRY: USA

; ZIP: 22040-0747

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/646,981

; FILING DATE:

; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:

; NAME: WEINER, MARC.S

; REGISTRATION NUMBER: 32,181

; REFERENCE/DOCKET NUMBER: 1488-106

; INFORMATION FOR SEQ ID NO: 17:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 331 amino acids

; TYPE: amino acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: peptide

US-08-646-981-17

Query Match 6.2%; Score 6; DB 2; Length 331;

Best Local Similarity 100.0%; Pred. No. 1.6e+02;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 66 PPSPKE 71

Db 233 PPSPKE 238

RESULT 36

US-08-853-948B-5

; Sequence 5, Application US/08853948B

; Patent No. 6210943

; GENERAL INFORMATION:

; APPLICANT: AKIHAMA, Toyota

; TITLE OF INVENTION: SUCROSE PHOSPHATE SYNTHASE FROM CITRUS AND DNA ENCODING

; TITLE OF INVENTION: THE SAME

; FILE REFERENCE: 0049-0235-0

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; CURRENT APPLICATION NUMBER: US/08/853,948B
; CURRENT FILING DATE: 1997-05-09
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 348
; TYPE: PRT
; ORGANISM: Citrus unshiu
US-08-853-948B-5

```

```

Query Match      6.2%; Score 6; DB 3; Length 348;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      76 EMLTGG 81
      |||||
Db      42 EMLTGG 47

```

RESULT 37

```

US-09-651-200-25
; Sequence 25, Application US/09651200
; Patent No. 6429303
; GENERAL INFORMATION:
; APPLICANT: Green et al
; TITLE OF INVENTION: Polynucleotides Encoding Members of the Human B
; TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and
; TITLE OF INVENTION: Polypeptides Encoded Thereby
; FILE REFERENCE: 15966-562 (CURA-62)
; CURRENT APPLICATION NUMBER: US/09/651,200
; CURRENT FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/152383
; PRIOR FILING DATE: 1999-09-03
; PRIOR APPLICATION NUMBER: 60/172909
; PRIOR FILING DATE: 1999-12-21
; PRIOR APPLICATION NUMBER: 60/183578
; PRIOR FILING DATE: 2000-02-18
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 25
; LENGTH: 350
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-651-200-25

```

```

Query Match      6.2%; Score 6; DB 4; Length 350;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      27 RKKKRE 32
      |||||
Db      280 RKKKRE 285

```

RESULT 38

```

US-09-252-991A-23984
; Sequence 23984, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 23984
; LENGTH: 360
; TYPE: PRT

```

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; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-23984

```

```

Query Match      6.2%; Score 6; DB 4; Length 360;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      89 SHLGRR 94
      |||||
Db      303 SHLGRR 308

```

RESULT 39

```

US-09-328-352-7357
; Sequence 7357, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
; TITLE OF INVENTION: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GTC99-03PA
; CURRENT APPLICATION NUMBER: US/09/328,352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 7357
; LENGTH: 397
; TYPE: PRT
; ORGANISM: Acinetobacter baumannii
US-09-328-352-7357

```

```

Query Match      6.2%; Score 6; DB 4; Length 397;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      51 ILLFSH 56
      |||||
Db      224 ILLFSH 229

```

RESULT 40

```

US-08-414-926A-5
; Sequence 5, Application US/08414926A
; Patent No. 5721354
; GENERAL INFORMATION:
; APPLICANT: Spaete, Richard
; APPLICANT: Cha, Tai-An
; TITLE OF INVENTION: NOVEL HUMAN CYTOMEGALOVIRUS
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooley Godward Castro Huddleson & Tatum
; STREET: 5 Palo Alto Square
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94306-2155
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/414,926A
; FILING DATE: March 31, 1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Cseri, Luann
; REGISTRATION NUMBER: 31,822
; REFERENCE/DOCKET NUMBER: AVIR-011/OOUS
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-494-7622
; TELEFAX: 415-857-0663
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:

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; LENGTH: 399 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-414-926A-5

Query Match 6.2%; Score 6; DB 1; Length 399;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 43 FIIFWI 48
| | | | |
Db 20 FIIFWI 25

Search completed: October 28, 2003, 17:16:26
Job time : 60.1947 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - protein search, using sw model

Run on: October 28, 2003, 17:16:48 ; Search time 77.2566 Seconds
(without alignments)
210.256 Million cell updates/sec

Title: US-09-854-133-586

Perfect score: 97

Sequence: 1 EVEVSRDHASLGDSSETLSQT.....LTGGCLPWATRSHLGRRKCS 97

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Gapop 60.0 , Gapext 60.0

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Minimum DB seq length: 0

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Post-processing: Listing first 1000 summaries

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- 8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep.*
- 9: /cgn2_6/ptodata/2/pubpaa/US09A_PUBCOMB.pep.*
- 10: /cgn2_6/ptodata/2/pubpaa/US09B_PUBCOMB.pep.*
- 11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep.*
- 12: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
- 13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	97	100.0	97	10	US-09-738-973-586
2	97	100.0	97	10	US-09-854-133-586
3	97	100.0	97	15	US-10-144-649A-586
4	97	100.0	114	15	US-10-144-649A-742
5	16	16.5	16	10	US-09-738-973-587
6	16	16.5	16	10	US-09-854-133-587
7	16	16.5	16	15	US-10-144-649A-587
8	7	7.2	36	11	US-09-764-872-359
9	7	7.2	47	9	US-09-764-869-1018
10	7	7.2	47	15	US-10-091-504-1018
11	7	7.2	66	10	US-09-764-877-1089
12	7	7.2	94	11	US-09-866-050A-676
13	7	7.2	154	12	US-10-029-386-32398
14	7	7.2	158	12	US-10-017-161-1948
15	7	7.2	165	12	US-10-029-386-32399
					Sequence 586, App
					Sequence 586, App
					Sequence 586, App
					Sequence 742, App
					Sequence 587, App
					Sequence 587, App
					Sequence 587, App
					Sequence 359, App
					Sequence 1018, Ap
					Sequence 1018, Ap
					Sequence 1089, Ap
					Sequence 676, App
					Sequence 32398, A
					Sequence 1948, Ap
					Sequence 32399, A

16	7	7.2	170	10	US-09-764-868-816	Sequence 816, App
17	7	7.2	333	12	US-10-017-161-2102	Sequence 2102, Ap
18	7	7.2	517	9	US-09-907-479-6	Sequence 6, Appli
19	7	7.2	517	15	US-10-280-403-6	Sequence 6, Appli
20	7	7.2	517	15	US-10-205-823-315	Sequence 315, App
21	7	7.2	802	9	US-09-876-889-352	Sequence 352, App
22	6	6.2	19	10	US-09-984-245-306	Sequence 306, App
23	6	6.2	19	11	US-09-966-262-306	Sequence 306, App
24	6	6.2	19	11	US-09-983-966-306	Sequence 306, App
25	6	6.2	19	15	US-10-143-090-306	Sequence 306, App
26	6	6.2	28	9	US-09-925-299-1023	Sequence 1023, Ap
27	6	6.2	28	11	US-09-925-299-1023	Sequence 1023, Ap
28	6	6.2	35	14	US-10-001-870-145	Sequence 145, App
29	6	6.2	35	14	US-10-001-857-134	Sequence 134, App
30	6	6.2	46	11	US-09-764-891-4700	Sequence 4700, Ap
31	6	6.2	49	12	US-10-029-386-28947	Sequence 28947, A
32	6	6.2	51	9	US-09-864-761-37309	Sequence 37309, A
33	6	6.2	51	9	US-09-864-761-42719	Sequence 42719, A
34	6	6.2	59	9	US-09-864-761-43079	Sequence 43079, A
35	6	6.2	64	9	US-09-864-761-33889	Sequence 33889, A
36	6	6.2	69	9	US-09-864-761-34523	Sequence 34523, A
37	6	6.2	70	11	US-09-764-891-3256	Sequence 3256, Ap
38	6	6.2	71	12	US-09-933-767-355	Sequence 355, App
39	6	6.2	71	15	US-10-023-282-355	Sequence 355, App
40	6	6.2	73	10	US-09-250-611-19	Sequence 19, Appl
41	6	6.2	74	12	US-10-029-386-28761	Sequence 28761, A
42	6	6.2	76	14	US-10-002-344A-229	Sequence 229, App
43	6	6.2	80	9	US-09-864-761-42011	Sequence 42011, A
44	6	6.2	89	10	US-09-764-855-99	Sequence 99, Appl
45	6	6.2	89	15	US-10-072-349-99	Sequence 99, Appl
46	6	6.2	90	12	US-10-315-515-39	Sequence 39, Appl
47	6	6.2	90	12	US-10-315-515-44	Sequence 44, Appl
48	6	6.2	95	12	US-10-315-515-35	Sequence 35, Appl
49	6	6.2	96	12	US-10-315-515-34	Sequence 34, Appl
50	6	6.2	96	12	US-10-315-515-36	Sequence 36, Appl
51	6	6.2	96	12	US-10-315-515-37	Sequence 37, Appl
52	6	6.2	96	12	US-10-315-515-40	Sequence 40, Appl
53	6	6.2	96	12	US-10-315-515-41	Sequence 41, Appl
54	6	6.2	96	12	US-10-315-515-42	Sequence 42, Appl
55	6	6.2	97	9	US-09-764-869-1022	Sequence 1022, Ap
56	6	6.2	97	15	US-10-091-504-1022	Sequence 1022, Ap
57	6	6.2	101	11	US-09-925-299-774	Sequence 774, App
58	6	6.2	101	11	US-09-925-299-774	Sequence 774, App
59	6	6.2	105	12	US-10-315-515-43	Sequence 43, Appl
60	6	6.2	106	12	US-10-315-515-38	Sequence 38, Appl
61	6	6.2	123	11	US-09-764-891-4621	Sequence 4621, Ap
62	6	6.2	123	15	US-10-043-487-333	Sequence 333, App
63	6	6.2	128	9	US-09-864-761-36308	Sequence 36308, A
64	6	6.2	141	9	US-09-864-761-36181	Sequence 36181, A
65	6	6.2	141	10	US-09-828-995B-29	Sequence 29, Appl
66	6	6.2	141	12	US-10-029-386-30357	Sequence 30357, A
67	6	6.2	143	12	US-10-029-386-33503	Sequence 33503, A
68	6	6.2	151	9	US-09-789-561-88	Sequence 88, Appl
69	6	6.2	160	10	US-09-321-801-17	Sequence 17, Appl
70	6	6.2	160	12	US-10-389-532-7	Sequence 77, Appli
71	6	6.2	163	15	US-10-211-962-77	Sequence 77, Appl
72	6	6.2	167	8	US-08-781-986A-5216	Sequence 5216, Ap
73	6	6.2	176	9	US-09-925-302-764	Sequence 764, App
74	6	6.2	184	10	US-09-250-611-13	Sequence 13, Appl
75	6	6.2	184	15	US-10-205-823-417	Sequence 417, App
76	6	6.2	184	15	US-10-177-293-455	Sequence 455, App
77	6	6.2	185	10	US-09-250-611-11	Sequence 11, Appl
78	6	6.2	197	15	US-10-146-473-74	Sequence 74, Appl
79	6	6.2	212	12	US-10-029-386-33405	Sequence 33405, A
80	6	6.2	216	12	US-10-062-599-69	Sequence 69, Appl
81	6	6.2	216	15	US-10-062-831-69	Sequence 69, Appl
82	6	6.2	230	10	US-09-925-300-1377	Sequence 1377, Ap
83	6	6.2	232	12	US-10-025-966A-9	Sequence 9, Appli
84	6	6.2	232	12	US-10-265-071-9	Sequence 9, Appli
85	6	6.2	234	9	US-09-800-729-150	Sequence 150, App
86	6	6.2	246	9	US-09-815-242-12986	Sequence 12986, A
87	6	6.2	246	9	US-09-815-242-13040	Sequence 13040, A
88	6	6.2	246	15	US-10-157-223-5	Sequence 5, Appli

89	6	6.2	250	12	US-09-976-782-31	Sequence 31, Appl	162	6	6.2	544	15	US-10-219-075-12	Sequence 12, Appl
90	6	6.2	252	16	US-10-278-536-190	Sequence 190, App	163	6	6.2	544	15	US-10-219-464-12	Sequence 12, Appl
91	6	6.2	254	15	US-10-106-698-4444	Sequence 4444, Ap	164	6	6.2	544	15	US-10-219-466-12	Sequence 12, Appl
92	6	6.2	255	11	US-09-922-225A-4	Sequence 4, Appli	165	6	6.2	544	15	US-10-219-479-12	Sequence 12, Appl
93	6	6.2	260	10	US-09-925-300-1470	Sequence 1470, Ap	166	6	6.2	544	15	US-10-219-481-12	Sequence 12, Appl
94	6	6.2	261	10	US-09-738-626-6335	Sequence 6335, Ap	167	6	6.2	544	15	US-10-230-260-12	Sequence 12, Appl
95	6	6.2	277	10	US-09-965-529-15	Sequence 15, Appl	168	6	6.2	544	15	US-10-232-231-12	Sequence 12, Appl
96	6	6.2	277	11	US-09-969-680A-15	Sequence 15, Appl	169	6	6.2	544	15	US-10-232-233-12	Sequence 12, Appl
97	6	6.2	281	15	US-10-101-464A-619	Sequence 619, App	170	6	6.2	544	15	US-10-216-165-12	Sequence 12, Appl
98	6	6.2	290	10	US-09-910-174A-19	Sequence 19, Appl	171	6	6.2	544	15	US-10-218-956-12	Sequence 12, Appl
99	6	6.2	300	12	US-10-342-224-108	Sequence 108, App	172	6	6.2	544	15	US-10-219-468-12	Sequence 12, Appl
100	6	6.2	318	10	US-09-947-971-2	Sequence 2, Appli	173	6	6.2	544	15	US-10-219-478-12	Sequence 12, Appl
101	6	6.2	319	12	US-09-745-842-20	Sequence 20, Appl	174	6	6.2	544	15	US-10-219-536-12	Sequence 12, Appl
102	6	6.2	319	14	US-10-025-335-1	Sequence 1, Appli	175	6	6.2	544	15	US-10-233-205-12	Sequence 12, Appl
103	6	6.2	319	14	US-10-114-893-210	Sequence 210, App	176	6	6.2	544	15	US-10-219-072-12	Sequence 12, Appl
104	6	6.2	319	15	US-10-106-698-4861	Sequence 4861, Ap	177	6	6.2	544	15	US-10-219-474-12	Sequence 12, Appl
105	6	6.2	319	15	US-10-225-567A-532	Sequence 532, App	178	6	6.2	544	15	US-10-219-524-12	Sequence 12, Appl
106	6	6.2	331	11	US-09-922-225A-6	Sequence 6, Appli	179	6	6.2	544	15	US-10-219-528-12	Sequence 12, Appl
107	6	6.2	346	15	US-10-081-816-16	Sequence 16, Appl	180	6	6.2	544	15	US-10-227-880-12	Sequence 12, Appl
108	6	6.2	350	10	US-09-910-174A-17	Sequence 17, Appl	181	6	6.2	544	15	US-10-227-881-12	Sequence 12, Appl
109	6	6.2	352	10	US-09-828-995B-38	Sequence 38, Appl	182	6	6.2	544	15	US-10-227-882-12	Sequence 12, Appl
110	6	6.2	368	10	US-09-925-300-1356	Sequence 1356, Ap	183	6	6.2	544	15	US-10-227-882-12	Sequence 12, Appl
111	6	6.2	371	10	US-09-828-302-15	Sequence 15, Appl	184	6	6.2	544	15	US-10-230-436-12	Sequence 12, Appl
112	6	6.2	371	12	US-10-276-934-16	Sequence 16, Appl	185	6	6.2	544	15	US-10-232-223-12	Sequence 12, Appl
113	6	6.2	405	9	US-09-799-777-38	Sequence 38, Appl	186	6	6.2	544	15	US-10-232-225-12	Sequence 12, Appl
114	6	6.2	426	9	US-09-844-864-4	Sequence 4, Appli	187	6	6.2	544	15	US-10-232-227-12	Sequence 12, Appl
115	6	6.2	433	12	US-10-393-545-2	Sequence 2, Appli	188	6	6.2	544	15	US-10-232-229-12	Sequence 12, Appl
116	6	6.2	433	12	US-10-393-545-4	Sequence 4, Appli	189	6	6.2	544	15	US-10-232-234-12	Sequence 12, Appl
117	6	6.2	433	12	US-10-393-545-6	Sequence 6, Appli	190	6	6.2	544	15	US-10-219-060-12	Sequence 12, Appl
118	6	6.2	445	12	US-10-032-189-73	Sequence 73, Appl	191	6	6.2	544	15	US-10-216-160-12	Sequence 12, Appl
119	6	6.2	457	9	US-09-815-242-11948	Sequence 11948, A	192	6	6.2	544	15	US-10-216-162-12	Sequence 12, Appl
120	6	6.2	468	10	US-09-828-995B-5	Sequence 5, Appli	193	6	6.2	544	15	US-10-216-164-12	Sequence 12, Appl
121	6	6.2	470	10	US-09-828-995B-11	Sequence 11, Appl	194	6	6.2	544	15	US-10-216-167-12	Sequence 12, Appl
122	6	6.2	475	10	US-09-729-454-1	Sequence 1, Appli	195	6	6.2	544	15	US-10-216-168-12	Sequence 12, Appl
123	6	6.2	477	12	US-09-738-630-83	Sequence 83, Appl	196	6	6.2	544	15	US-10-219-065-12	Sequence 12, Appl
124	6	6.2	478	15	US-10-156-761-10917	Sequence 10917, A	197	6	6.2	544	15	US-10-219-071-12	Sequence 12, Appl
125	6	6.2	493	15	US-10-021-660-104	Sequence 104, App	198	6	6.2	544	15	US-10-219-074-12	Sequence 12, Appl
126	6	6.2	503	15	US-10-211-962-70	Sequence 70, Appl	199	6	6.2	544	15	US-10-219-077-12	Sequence 12, Appl
127	6	6.2	513	10	US-09-910-174A-18	Sequence 18, Appl	200	6	6.2	544	15	US-10-219-465-12	Sequence 12, Appl
128	6	6.2	522	15	US-10-156-761-8465	Sequence 8465, Ap	201	6	6.2	544	15	US-10-219-467-12	Sequence 12, Appl
129	6	6.2	532	10	US-09-801-368-360	Sequence 360, App	202	6	6.2	544	15	US-10-219-469-12	Sequence 12, Appl
130	6	6.2	535	15	US-10-102-806-729	Sequence 729, App	203	6	6.2	544	15	US-10-219-471-12	Sequence 12, Appl
131	6	6.2	544	12	US-10-216-163-12	Sequence 12, Appl	204	6	6.2	544	15	US-10-219-473-12	Sequence 12, Appl
132	6	6.2	544	12	US-10-218-765-12	Sequence 12, Appl	205	6	6.2	544	15	US-10-219-476-12	Sequence 12, Appl
133	6	6.2	544	12	US-10-219-063-12	Sequence 12, Appl	206	6	6.2	544	15	US-10-219-482-12	Sequence 12, Appl
134	6	6.2	544	12	US-10-219-066-12	Sequence 12, Appl	207	6	6.2	544	15	US-10-227-874-12	Sequence 12, Appl
135	6	6.2	544	12	US-10-219-067-12	Sequence 12, Appl	208	6	6.2	544	15	US-10-227-876-12	Sequence 12, Appl
136	6	6.2	544	12	US-10-219-068-12	Sequence 12, Appl	209	6	6.2	544	15	US-10-227-878-12	Sequence 12, Appl
137	6	6.2	544	12	US-10-219-069-12	Sequence 12, Appl	210	6	6.2	544	15	US-10-229-974-12	Sequence 12, Appl
138	6	6.2	544	12	US-10-219-073-12	Sequence 12, Appl	211	6	6.2	544	15	US-10-230-024-12	Sequence 12, Appl
139	6	6.2	544	12	US-10-219-475-12	Sequence 12, Appl	212	6	6.2	544	15	US-10-230-113-12	Sequence 12, Appl
140	6	6.2	544	12	US-10-219-480-12	Sequence 12, Appl	213	6	6.2	544	15	US-10-230-183-12	Sequence 12, Appl
141	6	6.2	544	12	US-10-219-483-12	Sequence 12, Appl	214	6	6.2	544	15	US-10-230-234-12	Sequence 12, Appl
142	6	6.2	544	12	US-10-219-525-12	Sequence 12, Appl	215	6	6.2	544	15	US-10-230-306-12	Sequence 12, Appl
143	6	6.2	544	12	US-10-219-526-12	Sequence 12, Appl	216	6	6.2	544	15	US-10-230-426-12	Sequence 12, Appl
144	6	6.2	544	12	US-10-219-530-12	Sequence 12, Appl	217	6	6.2	544	15	US-10-230-427-12	Sequence 12, Appl
145	6	6.2	544	12	US-10-219-531-12	Sequence 12, Appl	218	6	6.2	544	15	US-10-230-433-12	Sequence 12, Appl
146	6	6.2	544	12	US-10-219-532-12	Sequence 12, Appl	219	6	6.2	544	15	US-10-230-435-12	Sequence 12, Appl
147	6	6.2	544	12	US-10-219-533-12	Sequence 12, Appl	220	6	6.2	544	15	US-10-230-438-12	Sequence 12, Appl
148	6	6.2	544	12	US-10-230-437-12	Sequence 12, Appl	221	6	6.2	544	15	US-10-232-222-12	Sequence 12, Appl
149	6	6.2	544	12	US-10-232-228-12	Sequence 12, Appl	222	6	6.2	544	15	US-10-219-070-12	Sequence 12, Appl
150	6	6.2	544	15	US-10-227-884-12	Sequence 12, Appl	223	6	6.2	544	15	US-10-219-472-12	Sequence 12, Appl
151	6	6.2	544	15	US-10-230-163-12	Sequence 12, Appl	224	6	6.2	544	15	US-10-227-877-12	Sequence 12, Appl
152	6	6.2	544	15	US-10-230-338-12	Sequence 12, Appl	225	6	6.2	544	15	US-10-219-527-12	Sequence 12, Appl
153	6	6.2	544	15	US-10-218-631-12	Sequence 12, Appl	226	6	6.2	544	15	US-10-216-166-12	Sequence 12, Appl
154	6	6.2	544	15	US-10-230-414-12	Sequence 12, Appl	227	6	6.2	544	15	US-10-218-612-12	Sequence 12, Appl
155	6	6.2	544	15	US-10-216-159A-12	Sequence 12, Appl	228	6	6.2	552	12	US-10-113-644-2	Sequence 2, Appli
156	6	6.2	544	15	US-10-218-849-12	Sequence 12, Appl	229	6	6.2	553	14	US-10-095-139-5	Sequence 5, Appli
157	6	6.2	544	15	US-10-227-873-12	Sequence 12, Appl	230	6	6.2	561	10	US-09-828-995B-72	Sequence 72, Appl
158	6	6.2	544	15	US-10-227-883-12	Sequence 12, Appl	231	6	6.2	561	10	US-09-828-995B-81	Sequence 81, Appl
159	6	6.2	544	15	US-10-219-076-12	Sequence 12, Appl	232	6	6.2	562	15	US-10-156-761-11402	Sequence 11402, A
160	6	6.2	544	15	US-10-230-434-12	Sequence 12, Appl	233	6	6.2	570	10	US-09-738-626-5603	Sequence 5603, Ap
161	6	6.2	544	15	US-10-219-003-12	Sequence 12, Appl	234	6	6.2	580	9	US-09-841-132-598	Sequence 598, App

235	6	6.2	635	11	US-09-851-847-5	Sequence 5, Appli	308	5	5.2	20	11	US-09-764-891-3394	Sequence 3394, Ap
236	6	6.2	635	15	US-10-101-464A-932	Sequence 932, App	309	5	5.2	20	15	US-10-091-572-279	Sequence 279, App
237	6	6.2	648	15	US-10-156-761-13619	Sequence 13619, A	310	5	5.2	21	10	US-09-969-192-27	Sequence 27, Appl
238	6	6.2	671	15	US-10-128-714-8173	Sequence 8173, Ap	311	5	5.2	21	11	US-09-999-724-32	Sequence 32, Appl
239	6	6.2	682	15	US-10-156-761-11449	Sequence 11449, A	312	5	5.2	21	12	US-10-058-053A-290	Sequence 290, App
240	6	6.2	685	15	US-10-101-464A-918	Sequence 918, App	313	5	5.2	21	12	US-10-058-053A-292	Sequence 292, App
241	6	6.2	705	15	US-10-128-714-3201	Sequence 3201, Ap	314	5	5.2	21	12	US-10-058-053A-323	Sequence 323, App
242	6	6.2	748	15	US-10-128-714-8201	Sequence 8201, Ap	315	5	5.2	22	12	US-10-058-053A-258	Sequence 258, App
243	6	6.2	773	15	US-10-202-107-2	Sequence 2, Appli	316	5	5.2	23	8	US-08-424-550B-417	Sequence 417, App
244	6	6.2	786	9	US-09-803-126-6	Sequence 6, Appli	317	5	5.2	23	11	US-09-563-222-130	Sequence 130, App
245	6	6.2	796	10	US-09-321-801-15	Sequence 15, Appl	318	5	5.2	23	12	US-10-058-053A-244	Sequence 244, App
246	6	6.2	798	9	US-09-861-451A-12	Sequence 12, Appl	319	5	5.2	24	9	US-09-864-761-40517	Sequence 40517, A
247	6	6.2	818	9	US-09-833-790-366	Sequence 366, App	320	5	5.2	24	11	US-09-999-724-26	Sequence 26, Appl
248	6	6.2	867	12	US-10-389-532-2	Sequence 3, Appli	321	5	5.2	24	11	US-09-974-879-486	Sequence 486, App
249	6	6.2	871	12	US-10-025-966A-3	Sequence 3, Appli	322	5	5.2	24	11	US-09-305-736-487	Sequence 487, App
250	6	6.2	871	12	US-10-265-071-3	Sequence 3, Appli	323	5	5.2	24	11	US-09-915-914B-28	Sequence 28, Appl
251	6	6.2	871	12	US-10-314-881-3	Sequence 3, Appli	324	5	5.2	25	12	US-10-184-194-29	Sequence 29, Appl
252	6	6.2	871	15	US-10-177-293-248	Sequence 248, App	325	5	5.2	25	12	US-10-058-053A-245	Sequence 245, App
253	6	6.2	879	14	US-10-108-605-217	Sequence 217, App	326	5	5.2	25	12	US-10-058-053A-259	Sequence 259, App
254	6	6.2	962	12	US-10-032-585-7841	Sequence 7841, Ap	327	5	5.2	25	12	US-10-058-053A-261	Sequence 261, App
255	6	6.2	999	10	US-09-895-913A-226	Sequence 226, App	328	5	5.2	26	9	US-09-729-835-74	Sequence 74, Appl
256	6	6.2	1178	15	US-10-128-714-8240	Sequence 8240, Ap	329	5	5.2	26	12	US-10-160-162-140	Sequence 140, App
257	6	6.2	1333	9	US-09-815-242-10936	Sequence 10936, A	330	5	5.2	26	12	US-10-058-053A-247	Sequence 247, App
258	6	6.2	1596	11	US-09-909-567B-47	Sequence 16, Appl	331	5	5.2	26	12	US-10-058-053A-248	Sequence 248, App
259	6	6.2	1611	12	US-10-389-532-16	Sequence 17, Appl	332	5	5.2	26	12	US-10-058-053A-249	Sequence 249, App
260	6	6.2	1671	12	US-10-032-585-7596	Sequence 7596, Ap	333	5	5.2	27	9	US-09-764-869-1144	Sequence 1144, Ap
261	6	6.2	1726	12	US-10-205-219-109	Sequence 109, App	334	5	5.2	27	12	US-10-029-386-30455	Sequence 30455, A
262	6	6.2	2629	12	US-10-295-681-54	Sequence 54, Appl	335	5	5.2	27	15	US-10-091-504-1144	Sequence 1144, Ap
263	6	6.2	2629	12	US-10-295-681-55	Sequence 55, Appl	336	5	5.2	28	11	US-09-999-724-28	Sequence 28, Appl
264	6	6.2	2629	12	US-10-295-681-61	Sequence 61, Appl	337	5	5.2	28	12	US-10-058-053A-240	Sequence 240, App
265	6	6.2	3816	11	US-09-808-880-3	Sequence 3, Appli	338	5	5.2	28	12	US-10-058-053A-241	Sequence 241, App
266	5	5.2		15	US-10-039-831-5	Sequence 5, Appli	339	5	5.2	28	12	US-10-058-053A-242	Sequence 242, App
267	5	5.2		5	US-10-020-269-105	Sequence 105, App	340	5	5.2	28	12	US-10-058-053A-243	Sequence 243, App
268	5	5.2		12	US-09-761-636A-19	Sequence 19, Appl	341	5	5.2	28	12	US-10-058-053A-246	Sequence 246, App
269	5	5.2		8	US-09-969-192-1	Sequence 1, Appli	342	5	5.2	28	12	US-10-058-053A-257	Sequence 257, App
270	5	5.2		8	US-09-999-724-74	Sequence 74, Appl	343	5	5.2	28	15	US-10-097-065-486	Sequence 486, App
271	5	5.2		11	US-09-999-724-94	Sequence 94, Appl	344	5	5.2	30	11	US-09-874-141-25	Sequence 25, Appl
272	5	5.2		8	US-09-876-904A-439	Sequence 439, App	345	5	5.2	30	11	US-09-874-141-27	Sequence 27, Appl
273	5	5.2		8	US-10-039-831-7	Sequence 7, Appli	346	5	5.2	31	9	US-09-864-761-44724	Sequence 44724, A
274	5	5.2		9	US-09-761-636A-33	Sequence 33, Appl	347	5	5.2	31	9	US-09-864-761-48311	Sequence 48311, A
275	5	5.2		10	US-09-572-404B-2010	Sequence 2010, Ap	348	5	5.2	31	9	US-09-929-818-56	Sequence 56, Appl
276	5	5.2		11	US-09-969-192-19	Sequence 19, Appl	349	5	5.2	31	9	US-09-929-818-65	Sequence 65, Appl
277	5	5.2		11	US-09-999-724-76	Sequence 76, Appl	350	5	5.2	31	9	US-09-929-818-67	Sequence 67, Appl
278	5	5.2		11	US-09-876-904A-239	Sequence 239, App	351	5	5.2	31	9	US-09-929-818-70	Sequence 70, Appl
279	5	5.2		11	US-10-146-574-27	Sequence 27, Appl	352	5	5.2	31	9	US-09-929-818-74	Sequence 74, Appl
280	5	5.2		12	US-09-824-584-6	Sequence 6, Appli	353	5	5.2	31	9	US-09-929-818-82	Sequence 82, Appl
281	5	5.2		12	US-10-375-876-11	Sequence 11, Appl	354	5	5.2	31	9	US-09-929-818-83	Sequence 83, Appl
282	5	5.2		12	US-10-096-986-16	Sequence 16, Appl	355	5	5.2	31	9	US-09-929-818-88	Sequence 88, Appl
283	5	5.2		13	US-09-746-170-4	Sequence 4, Appli	356	5	5.2	31	9	US-09-929-818-90	Sequence 90, Appl
284	5	5.2		13	US-09-909-460-30	Sequence 30, Appl	357	5	5.2	31	9	US-09-929-818-91	Sequence 91, Appl
285	5	5.2		13	US-09-069-228-12	Sequence 12, Appl	358	5	5.2	31	9	US-09-929-818-92	Sequence 92, Appl
286	5	5.2		14	US-09-791-378-262	Sequence 262, App	359	5	5.2	31	9	US-09-929-818-93	Sequence 93, Appl
287	5	5.2		14	US-10-210-152-28	Sequence 28, Appl	360	5	5.2	31	9	US-09-929-818-98	Sequence 98, Appl
288	5	5.2		14	US-10-210-152-34	Sequence 34, Appl	361	5	5.2	31	10	US-09-732-091-9	Sequence 9, Appli
289	5	5.2		14	US-10-210-152-40	Sequence 40, Appl	362	5	5.2	31	11	US-09-820-843A-40	Sequence 40, Appl
290	5	5.2		14	US-10-210-152-46	Sequence 46, Appl	363	5	5.2	31	14	US-10-001-870-118	Sequence 118, App
291	5	5.2		14	US-10-058-053A-327	Sequence 327, App	364	5	5.2	32	12	US-10-058-053A-268	Sequence 268, App
292	5	5.2		15	US-09-969-192-43	Sequence 43, Appl	365	5	5.2	33	9	US-09-864-761-35714	Sequence 35714, A
293	5	5.2		15	US-09-999-724-38	Sequence 38, Appl	366	5	5.2	33	9	US-09-764-869-977	Sequence 977, App
294	5	5.2		15	US-09-999-724-78	Sequence 78, Appl	367	5	5.2	33	15	US-10-091-504-977	Sequence 977, App
295	5	5.2		16	US-09-530-139-34	Sequence 34, Appl	368	5	5.2	34	9	US-09-864-761-37415	Sequence 37415, A
296	5	5.2		16	US-10-267-251-29	Sequence 29, Appl	369	5	5.2	35	9	US-09-764-869-723	Sequence 723, App
297	5	5.2		16	US-10-058-053A-329	Sequence 329, App	370	5	5.2	35	15	US-10-091-504-723	Sequence 723, App
298	5	5.2		16	US-10-020-269-12	Sequence 12, Appl	371	5	5.2	36	9	US-09-864-761-43925	Sequence 43925, A
299	5	5.2		16	US-10-053-485-24	Sequence 24, Appl	372	5	5.2	36	12	US-10-012-952A-236	Sequence 236, App
300	5	5.2		16	US-10-225-567A-944	Sequence 944, App	373	5	5.2	37	9	US-09-864-761-36380	Sequence 36380, A
301	5	5.2		17	US-09-864-761-38152	Sequence 38152, A	374	5	5.2	37	9	US-09-864-761-39181	Sequence 39181, A
302	5	5.2		17	US-09-999-724-42	Sequence 42, Appl	375	5	5.2	37	9	US-09-864-761-42368	Sequence 42368, A
303	5	5.2		17	US-09-999-724-36	Sequence 36, Appl	376	5	5.2	37	10	US-09-925-300-1099	Sequence 1099, Ap
304	5	5.2		19	US-09-922-226-131	Sequence 131, App	377	5	5.2	37	12	US-10-195-730-368	Sequence 368, App
305	5	5.2		19	US-09-992-672-3	Sequence 3, Appli	378	5	5.2	37	12	US-10-058-053A-254	Sequence 254, App
306	5	5.2		19	US-10-020-008-5	Sequence 5, Appli	379	5	5.2	38	12	US-10-058-053A-250	Sequence 250, App
307	5	5.2		20	US-09-999-724-34	Sequence 34, Appl	380	5	5.2	38	12	US-10-058-053A-251	Sequence 251, App

527	5	5.2	79	15	US-10-157-031-204	Sequence 204, App	600	5	5.2	97	15	US-10-194-975-49	Sequence 49, Appl
528	5	5.2	80	9	US-09-864-761-46319	Sequence 46319, A	601	5	5.2	97	15	US-10-194-975-50	Sequence 50, Appl
529	5	5.2	80	12	US-10-300-072-29	Sequence 29, Appl	602	5	5.2	97	15	US-10-194-975-51	Sequence 51, Appl
530	5	5.2	80	12	US-10-238-075-919	Sequence 919, App	603	5	5.2	97	15	US-10-194-975-52	Sequence 52, Appl
531	5	5.2	80	12	US-10-058-053A-23	Sequence 23, Appl	604	5	5.2	97	15	US-10-125-687-20	Sequence 20, Appl
532	5	5.2	80	12	US-10-058-053A-65	Sequence 65, Appl	605	5	5.2	98	9	US-09-905-243-46	Sequence 46, Appl
533	5	5.2	80	12	US-10-058-053A-200	Sequence 200, App	606	5	5.2	98	9	US-09-905-243-48	Sequence 48, Appl
534	5	5.2	80	12	US-10-058-053A-203	Sequence 203, App	607	5	5.2	98	9	US-09-905-243-49	Sequence 49, Appl
535	5	5.2	80	12	US-10-029-386-28908	Sequence 28908, A	608	5	5.2	98	9	US-09-905-243-51	Sequence 51, Appl
536	5	5.2	80	12	US-10-029-386-29217	Sequence 29217, A	609	5	5.2	98	9	US-09-867-550-168	Sequence 168, App
537	5	5.2	81	9	US-09-864-761-34288	Sequence 34288, A	610	5	5.2	98	10	US-09-850-165-83	Sequence 83, Appl
538	5	5.2	81	15	US-10-106-698-4880	Sequence 4880, Ap	611	5	5.2	98	10	US-09-950-933A-84	Sequence 84, Appl
539	5	5.2	82	10	US-09-764-877-1894	Sequence 1894, Ap	612	5	5.2	98	10	US-09-950-933A-94	Sequence 94, Appl
540	5	5.2	82	11	US-09-764-891-3247	Sequence 3247, Ap	613	5	5.2	98	10	US-10-194-975-44	Sequence 44, Appl
541	5	5.2	82	12	US-10-058-053A-122	Sequence 122, App	614	5	5.2	99	9	US-09-905-243-52	Sequence 52, Appl
542	5	5.2	82	12	US-10-434-588-43	Sequence 43, Appl	615	5	5.2	99	9	US-09-925-297-863	Sequence 863, App
543	5	5.2	82	15	US-10-002-784A-33	Sequence 33, Appl	616	5	5.2	99	11	US-09-755-109-4	Sequence 4, Appli
544	5	5.2	82	15	US-10-083-357-1278	Sequence 1278, Ap	617	5	5.2	99	15	US-10-162-794-1	Sequence 1, Appli
545	5	5.2	83	9	US-09-864-761-34889	Sequence 34889, A	618	5	5.2	99	15	US-10-194-975-41	Sequence 41, Appl
546	5	5.2	83	15	US-10-106-698-5614	Sequence 5614, Ap	619	5	5.2	99	15	US-10-194-975-43	Sequence 43, Appl
547	5	5.2	84	9	US-09-864-761-39755	Sequence 39755, A	620	5	5.2	100	9	US-09-925-299-989	Sequence 989, App
548	5	5.2	85	9	US-09-864-761-42439	Sequence 42439, A	621	5	5.2	100	11	US-09-925-299-989	Sequence 989, App
549	5	5.2	85	9	US-09-864-761-42792	Sequence 42792, A	622	5	5.2	100	15	US-10-106-698-5456	Sequence 5456, Ap
550	5	5.2	85	9	US-09-864-761-42883	Sequence 42883, A	623	5	5.2	102	11	US-09-972-656-122	Sequence 122, App
551	5	5.2	85	9	US-09-864-761-43138	Sequence 43138, A	624	5	5.2	102	11	US-09-972-656-128	Sequence 128, App
552	5	5.2	85	12	US-10-340-578-37	Sequence 37, Appl	625	5	5.2	102	16	US-10-174-693-320	Sequence 320, App
553	5	5.2	86	9	US-09-864-761-33832	Sequence 33832, A	626	5	5.2	103	9	US-09-925-301-940	Sequence 940, App
554	5	5.2	86	10	US-09-796-692-1191	Sequence 1191, Ap	627	5	5.2	103	9	US-09-764-860-356	Sequence 356, App
555	5	5.2	86	11	US-09-813-153-87	Sequence 87, Appl	628	5	5.2	103	11	US-09-974-879-178	Sequence 178, App
556	5	5.2	86	14	US-10-058-820-18	Sequence 18, Appl	629	5	5.2	103	11	US-09-764-891-3142	Sequence 3142, Ap
557	5	5.2	86	15	US-10-040-862-1191	Sequence 1191, Ap	630	5	5.2	103	12	US-10-091-007-46	Sequence 46, Appl
558	5	5.2	87	9	US-09-864-761-34089	Sequence 34089, A	631	5	5.2	103	15	US-10-074-095-356	Sequence 356, App
559	5	5.2	87	9	US-09-864-761-34589	Sequence 34589, A	632	5	5.2	103	15	US-10-205-428-321	Sequence 321, App
560	5	5.2	87	10	US-10-002-631C-201	Sequence 1543, Ap	633	5	5.2	104	11	US-09-764-891-3077	Sequence 3077, Ap
561	5	5.2	87	12	US-10-171-681-16	Sequence 201, App	634	5	5.2	104	11	US-09-305-736-178	Sequence 178, App
562	5	5.2	87	12	US-10-171-681-18	Sequence 16, Appl	635	5	5.2	104	15	US-10-127-032-148	Sequence 148, App
563	5	5.2	87	12	US-10-171-680-16	Sequence 18, Appl	636	5	5.2	105	9	US-09-864-761-44573	Sequence 44573, A
564	5	5.2	87	12	US-10-012-952A-223	Sequence 223, App	637	5	5.2	106	12	US-10-032-201B-58	Sequence 58, Appl
565	5	5.2	87	12	US-10-171-680-16	Sequence 16, Appl	638	5	5.2	106	12	US-10-029-386-32302	Sequence 32302, A
566	5	5.2	87	12	US-10-171-680-18	Sequence 18, Appl	639	5	5.2	107	9	US-09-864-761-39147	Sequence 39147, A
567	5	5.2	88	9	US-09-864-761-39608	Sequence 39608, A	640	5	5.2	107	11	US-09-994-595-43	Sequence 43, Appl
568	5	5.2	88	9	US-09-925-301-1634	Sequence 1634, Ap	641	5	5.2	107	11	US-09-994-595-60	Sequence 60, Appl
569	5	5.2	88	9	US-09-764-869-862	Sequence 862, App	642	5	5.2	107	12	US-10-268-883-6	Sequence 6, Appli
570	5	5.2	88	10	US-09-895-913A-82	Sequence 82, Appl	643	5	5.2	107	12	US-10-310-674A-34	Sequence 34, Appl
571	5	5.2	88	14	US-10-062-254-6	Sequence 6, Appli	644	5	5.2	107	12	US-10-310-674A-40	Sequence 40, Appl
572	5	5.2	88	15	US-10-091-504-862	Sequence 862, App	645	5	5.2	107	12	US-10-011-931-4	Sequence 4, Appli
573	5	5.2	89	9	US-09-864-761-39070	Sequence 39070, A	646	5	5.2	107	15	US-10-269-010-2	Sequence 2, Appli
574	5	5.2	89	10	US-09-922-261-273	Sequence 273, App	647	5	5.2	107	15	US-10-056-794-17	Sequence 17, Appl
575	5	5.2	89	12	US-10-058-053A-62	Sequence 62, Appl	648	5	5.2	108	9	US-09-056-160B-10	Sequence 10, Appl
576	5	5.2	89	12	US-10-058-053A-197	Sequence 197, App	649	5	5.2	108	11	US-09-746-783-40	Sequence 40, Appl
577	5	5.2	89	12	US-10-058-053A-209	Sequence 209, App	650	5	5.2	108	11	US-09-155-106-22	Sequence 22, Appl
578	5	5.2	89	12	US-10-029-386-31775	Sequence 31775, A	651	5	5.2	108	11	US-09-155-106-30	Sequence 30, Appl
579	5	5.2	89	12	US-10-029-386-28808	Sequence 28808, A	652	5	5.2	108	12	US-10-234-671-10	Sequence 10, Appl
580	5	5.2	90	10	US-09-965-529-30	Sequence 30, Appl	653	5	5.2	108	12	US-10-029-386-33830	Sequence 33830, A
581	5	5.2	91	11	US-09-969-680A-30	Sequence 30, Appl	654	5	5.2	108	12	US-10-120-018-7	Sequence 7, Appli
582	5	5.2	93	9	US-09-864-761-38987	Sequence 38987, A	655	5	5.2	108	12	US-10-120-018-13	Sequence 13, Appl
583	5	5.2	93	12	US-10-315-515-46	Sequence 46, Appl	656	5	5.2	108	14	US-10-140-555-4	Sequence 4, Appli
584	5	5.2	93	12	US-10-029-386-32528	Sequence 32528, A	657	5	5.2	108	15	US-10-141-908-7	Sequence 7, Appli
585	5	5.2	93	15	US-10-162-794-3	Sequence 3, Appli	658	5	5.2	108	15	US-10-106-698-6801	Sequence 6801, Ap
586	5	5.2	95	9	US-09-216-393-39	Sequence 39, Appl	659	5	5.2	109	11	US-09-929-665-21	Sequence 21, Appl
587	5	5.2	95	12	US-10-321-856-39	Sequence 39, Appl	660	5	5.2	109	11	US-09-929-546-21	Sequence 21, Appl
588	5	5.2	96	9	US-09-216-393-266	Sequence 266, App	661	5	5.2	109	12	US-10-291-851-76	Sequence 76, Appl
589	5	5.2	96	9	US-09-864-761-47540	Sequence 47540, A	662	5	5.2	109	12	US-10-291-851-77	Sequence 77, Appl
590	5	5.2	96	12	US-10-389-532-20	Sequence 20, Appl	663	5	5.2	109	15	US-10-197-080-4	Sequence 4, Appli
591	5	5.2	96	12	US-10-321-856-266	Sequence 266, App	664	5	5.2	110	9	US-09-732-665-12	Sequence 12, Appl
592	5	5.2	96	16	US-10-080-170-257	Sequence 257, App	665	5	5.2	110	9	US-09-864-761-37792	Sequence 37792, A
593	5	5.2	97	11	US-09-809-391-376	Sequence 376, App	666	5	5.2	110	10	US-09-731-872-439	Sequence 439, App
594	5	5.2	97	12	US-10-084-843-72	Sequence 72, Appl	667	5	5.2	110	12	US-09-876-997-439	Sequence 439, App
595	5	5.2	97	12	US-10-193-002-73	Sequence 73, Appl	668	5	5.2	110	15	US-10-102-806-831	Sequence 831, App
596	5	5.2	97	12	US-09-882-171-376	Sequence 376, App	669	5	5.2	111	9	US-09-764-853-434	Sequence 434, App
597	5	5.2	97	14	US-10-025-687-20	Sequence 20, Appl	670	5	5.2	111	10	US-09-529-063-52	Sequence 52, Appl
598	5	5.2	97	15	US-10-194-975-40	Sequence 40, Appl	671	5	5.2	111	12	US-10-414-378-52	Sequence 52, Appl
599	5	5.2	97	15	US-10-194-975-42	Sequence 42, Appl	672	5	5.2	114	8	US-08-979-847-90	Sequence 90, Appl

673	5	5.2	114	9	US-09-764-853-691	Sequence 691, App	746	5	5.2	126	12	US-10-016-986-142	Sequence 142, App
674	5	5.2	114	12	US-09-890-688-136	Sequence 136, App	747	5	5.2	126	12	US-10-320-231A-37	Sequence 37, Appl
675	5	5.2	114	12	US-09-882-227-162	Sequence 162, App	748	5	5.2	126	14	US-10-013-056-4	Sequence 4, Appl
676	5	5.2	114	16	US-10-286-421-54	Sequence 54, Appl	749	5	5.2	126	15	US-10-067-800-68	Sequence 68, Appl
677	5	5.2	115	9	US-09-864-761-35795	Sequence 35795, A	750	5	5.2	127	9	US-09-912-020-332	Sequence 332, App
678	5	5.2	115	10	US-09-764-864-1399	Sequence 1399, Ap	751	5	5.2	127	9	US-09-925-301-1179	Sequence 1179, Ap
679	5	5.2	115	11	US-09-764-891-3832	Sequence 3832, Ap	752	5	5.2	127	12	US-10-268-883-5	Sequence 5, Appl
680	5	5.2	115	16	US-09-764-891-3832	Sequence 317, App	753	5	5.2	127	15	US-10-283-349-29	Sequence 29, Appl
681	5	5.2	116	10	US-10-174-693-317	Sequence 87, Appl	754	5	5.2	127	15	US-10-084-139-2	Sequence 2, Appl
682	5	5.2	116	12	US-09-850-165-87	Sequence 107, App	755	5	5.2	128	9	US-09-764-304-10	Sequence 10, Appl
683	5	5.2	117	9	US-09-864-761-44315	Sequence 44315, A	756	5	5.2	128	9	US-09-764-304-19	Sequence 19, Appl
684	5	5.2	117	10	US-09-738-626-4398	Sequence 4398, Ap	757	5	5.2	128	9	US-09-925-301-960	Sequence 960, App
685	5	5.2	117	10	US-09-796-692-1171	Sequence 1171, Ap	758	5	5.2	128	12	US-10-166-626-10	Sequence 10, Appl
686	5	5.2	117	10	US-09-796-692-1623	Sequence 1623, Ap	759	5	5.2	128	12	US-10-166-626-19	Sequence 19, Appl
687	5	5.2	117	10	US-09-796-692-1967	Sequence 1967, Ap	760	5	5.2	128	15	US-10-265-713-10	Sequence 10, Appl
688	5	5.2	117	10	US-09-796-692-2219	Sequence 2219, Ap	761	5	5.2	128	15	US-10-265-713-19	Sequence 19, Appl
689	5	5.2	117	11	US-09-922-226-120	Sequence 120, App	762	5	5.2	129	10	US-09-738-973-214	Sequence 214, App
690	5	5.2	117	12	US-10-262-525-9	Sequence 9, Appl	763	5	5.2	129	10	US-09-854-133-214	Sequence 214, App
691	5	5.2	117	12	US-10-330-613-33	Sequence 33, Appl	764	5	5.2	129	11	US-09-764-891-3649	Sequence 3649, Ap
692	5	5.2	117	12	US-10-330-530-33	Sequence 33, Appl	765	5	5.2	129	11	US-09-764-891-3768	Sequence 3768, Ap
693	5	5.2	117	15	US-10-040-862-1171	Sequence 1171, Ap	766	5	5.2	129	15	US-10-078-090-156	Sequence 156, App
694	5	5.2	117	15	US-10-040-862-1623	Sequence 1623, Ap	767	5	5.2	129	15	US-10-144-649A-214	Sequence 214, App
695	5	5.2	117	15	US-10-040-862-1967	Sequence 1967, Ap	768	5	5.2	130	9	US-09-815-242-5552	Sequence 5552, Ap
696	5	5.2	117	15	US-10-040-862-2219	Sequence 2219, Ap	769	5	5.2	130	15	US-10-121-757B-6	Sequence 6, Appl
697	5	5.2	118	12	US-10-078-757B-52	Sequence 52, Appl	770	5	5.2	131	8	US-08-779-784-21	Sequence 21, Appl
698	5	5.2	118	12	US-10-078-757B-53	Sequence 53, Appl	771	5	5.2	131	9	US-09-970-711-20	Sequence 20, Appl
699	5	5.2	118	14	US-10-047-676A-17	Sequence 17, Appl	772	5	5.2	131	10	US-09-738-626-5956	Sequence 5956, Ap
700	5	5.2	118	15	US-10-106-698-7082	Sequence 7082, Ap	773	5	5.2	131	12	US-10-010-729-64	Sequence 64, Appl
701	5	5.2	119	9	US-09-800-729-182	Sequence 182, App	774	5	5.2	131	12	US-10-059-964-20	Sequence 20, Appl
702	5	5.2	119	10	US-09-850-165-85	Sequence 85, Appl	775	5	5.2	131	15	US-10-314-639-20	Sequence 20, Appl
703	5	5.2	119	11	US-09-892-877-400	Sequence 400, App	776	5	5.2	132	9	US-09-815-242-5913	Sequence 5913, Ap
704	5	5.2	119	11	US-09-948-783-400	Sequence 400, App	777	5	5.2	132	9	US-09-815-242-12238	Sequence 12238, A
705	5	5.2	119	14	US-10-025-687-5	Sequence 5, Appl	778	5	5.2	132	9	US-09-908-931B-32	Sequence 13155, A
706	5	5.2	119	15	US-10-125-687-5	Sequence 5, Appl	779	5	5.2	132	10	US-09-764-891-4364	Sequence 32, Appl
707	5	5.2	120	9	US-09-864-761-48245	Sequence 48245, A	780	5	5.2	132	11	US-09-797-908-8	Sequence 8, Appl
708	5	5.2	120	10	US-09-738-626-6896	Sequence 6896, Ap	781	5	5.2	133	9	US-09-771-161A-167	Sequence 167, App
709	5	5.2	120	11	US-09-874-141-5	Sequence 5, Appl	782	5	5.2	133	10	US-10-357-482-8	Sequence 8, Appl
710	5	5.2	120	11	US-09-874-141-8	Sequence 8, Appl	783	5	5.2	133	12	US-09-771-161A-125	Sequence 125, App
711	5	5.2	120	12	US-10-171-681-5	Sequence 5, Appl	784	5	5.2	134	10	US-10-097-065-485	Sequence 485, App
712	5	5.2	120	12	US-10-171-681-8	Sequence 8, Appl	785	5	5.2	134	15	US-09-815-242-11409	Sequence 11409, A
713	5	5.2	120	12	US-10-171-680-5	Sequence 5, Appl	786	5	5.2	135	9	US-09-815-242-11570	Sequence 11570, A
714	5	5.2	120	12	US-10-171-680-8	Sequence 8, Appl	787	5	5.2	135	9	US-09-922-225A-10	Sequence 10, Appl
715	5	5.2	120	14	US-10-001-887-103	Sequence 103, App	788	5	5.2	135	11	US-09-864-761-41988	Sequence 41988, A
716	5	5.2	121	10	US-09-850-165-88	Sequence 88, Appl	789	5	5.2	136	9	US-09-867-550-832	Sequence 832, App
717	5	5.2	121	11	US-09-974-879-484	Sequence 484, App	790	5	5.2	137	9	US-10-153-437-8	Sequence 8, Appl
718	5	5.2	121	11	US-09-305-736-485	Sequence 485, App	791	5	5.2	137	15	US-09-815-242-12497	Sequence 12497, A
719	5	5.2	121	11	US-10-263-828-103	Sequence 103, App	792	5	5.2	139	9	US-09-850-165-17	Sequence 17, Appl
720	5	5.2	121	12	US-10-330-613-1	Sequence 1, Appl	793	5	5.2	139	10	US-10-211-357-2	Sequence 2, Appl
721	5	5.2	121	12	US-10-330-613-9	Sequence 9, Appl	794	5	5.2	139	15	US-09-874-141-49	Sequence 49, Appl
722	5	5.2	121	12	US-10-330-613-17	Sequence 17, Appl	795	5	5.2	140	11	US-10-156-761-9549	Sequence 9549, Ap
723	5	5.2	121	12	US-10-330-613-37	Sequence 37, Appl	796	5	5.2	140	15	US-09-864-761-46042	Sequence 46042, A
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727	5	5.2	121	12	US-10-330-530-37	Sequence 37, Appl	800	5	5.2	144	10	US-09-922-226-130	Sequence 130, App
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729	5	5.2	121	14	US-10-001-843-217	Sequence 217, App	802	5	5.2	144	11	US-10-029-386-30602	Sequence 30602, A
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732	5	5.2	122	9	US-09-764-869-996	Sequence 996, App	805	5	5.2	146	15	US-10-106-698-5170	Sequence 5170, Ap
733	5	5.2	122	10	US-09-515-806-24	Sequence 24, App	806	5	5.2	146	15	US-09-892-877-438	Sequence 438, App
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ALIGNMENTS

RESULT 1
US-09-738-973-586
; Sequence 586, Application US/09738973
; Patent No. US20020110563A1
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Fling, Steven P.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Algate, Paul A.
; APPLICANT: Secrist, Heather
; APPLICANT: Indirias, Carol Yoseph
; APPLICANT: Benson, Darin R.
; APPLICANT: Elliot, Mark
; APPLICANT: Mannion, Jane
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C9
; CURRENT APPLICATION NUMBER: US/09/738,973
; CURRENT FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 587
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 586
; LENGTH: 97
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-738-973-586

Query Match 100.0%; Score 97; DB 10; Length 97;
Best Local Similarity 100.0%; Pred. No. 3e-89;

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RESULT 2
US-09-854-133-586
; Sequence 586, Application US/09854133
; Publication No. US20020183499A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Henderson, Robert A.
; APPLICANT: Benson, Darin R.
; APPLICANT: Secrist, Heather
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C10
; CURRENT APPLICATION NUMBER: US/09/854,133
; CURRENT FILING DATE: 2001-05-11
; NUMBER OF SEQ ID NOS: 735
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US-09-854-133-586

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RESULT 3
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; Sequence 586, Application US/10144649A
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; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Algate, Paul A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C11
; CURRENT APPLICATION NUMBER: US/10/144,649A
; CURRENT FILING DATE: 2002-08-21
; NUMBER OF SEQ ID NOS: 749
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US-10-144-649A-586

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RESULT 4
US-10-144-649A-742
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; Publication No. US20030118599A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Algate, Paul A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C11
; CURRENT APPLICATION NUMBER: US/10/144,649A
; CURRENT FILING DATE: 2002-08-21
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US-10-144-649A-742

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Best Local Similarity 100.0%; Pred. No. 3.5e-89;
Matches 97; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EVEVSRDHASLGDSSETLSQTELKRRKKRKKRKFQANCGIDFIIFWIFWILLFSSHWHIQ 60
Db 18 EVEVSRDHASLGDSSETLSQTELKRRKKRKKRKFQANCGIDFIIFWIFWILLFSSHWHIQ 77

QY 61 ESSLCPSPKPVTCREMLTGGCLPWATRSHLGRKCS 97
Db 78 ESSLCPSPKPVTCREMLTGGCLPWATRSHLGRKCS 114

RESULT 5
US-09-738-973-587
; Sequence 587, Application US/09738973
; Patent No. US20020110563A1
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Fling, Steven P.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Algate, Paul A.
; APPLICANT: Secrist, Heather
; APPLICANT: Indirias, Carol Yoseph
; APPLICANT: Benson, Darin R.
; APPLICANT: Elliot, Mark
; APPLICANT: Mannion, Jane
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C9
; CURRENT APPLICATION NUMBER: US/09/738,973
; CURRENT FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 587
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 587
; LENGTH: 16
; TYPE: PRT

; ORGANISM: Homo sapiens
US-09-738-973-587
Query Match 16.5%; Score 16; DB 10; Length 16;
Best Local Similarity 100.0%; Pred. No. 5.1e-09;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 35 FOANCGIDFIIFWIFW 50
Db 1 FOANCGIDFIIFWIFW 16
RESULT 6
US-09-854-133-587
; Sequence 587, Application US/09854133
; Publication No. US20020183499A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Henderson, Robert A.
; APPLICANT: Benson, Darin R.
; APPLICANT: Secrist, Heather
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C10
; CURRENT APPLICATION NUMBER: US/09/854,133
; CURRENT FILING DATE: 2001-05-11
; NUMBER OF SEQ ID NOS: 735
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 587
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-854-133-587

Query Match 16.5%; Score 16; DB 10; Length 16;
Best Local Similarity 100.0%; Pred. No. 5.1e-09;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 35 FOANCGIDFIIFWIFW 50
Db 1 FOANCGIDFIIFWIFW 16

RESULT 7
US-10-144-649A-587
; Sequence 587, Application US/10144649A
; Publication No. US20030118599A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Algate, Paul A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C11
; CURRENT APPLICATION NUMBER: US/10/144,649A
; CURRENT FILING DATE: 2002-08-21
; NUMBER OF SEQ ID NOS: 749
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 587
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-144-649A-587

Query Match 16.5%; Score 16; DB 15; Length 16;
Best Local Similarity 100.0%; Pred. No. 5.1e-09;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 35 FOANCGIDFIIFWIFW 50
Db 1 FOANCGIDFIIFWIFW 16

```
Db      1  PQANCGIDFIIFWIFW 16

RESULT 8
US-09-764-872-359
; Sequence 359, Application US/09764872
; Publication No. US20030050231A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PA125
; CURRENT APPLICATION NUMBER: US/09/764,872
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 957
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 359
; LENGTH: 36
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-764-872-359

Query Match      7.2%; Score 7; DB 11; Length 36;
Best Local Similarity 100.0%; Pred. No. 9.7;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      24 KKERKKK 30
      |||||
Db      7 KKERKKK 13

RESULT 9
US-09-764-869-1018
; Sequence 1018, Application US/09764869
; Patent No. US20020061521A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC007
; CURRENT APPLICATION NUMBER: US/09/764,869
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 2442
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1018
; LENGTH: 47
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-764-869-1018

Query Match      7.2%; Score 7; DB 9; Length 47;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      25 KERKKR 31
      |||||
Db      14 KERKKR 20

RESULT 10
US-10-091-504-1018
; Sequence 1018, Application US/10091504
; Publication No. US20030059908A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC007C1
; CURRENT APPLICATION NUMBER: US/10/091,504
; CURRENT FILING DATE: 2002-03-07
; NUMBER OF SEQ ID NOS: 2442
; Prior Application removed - See File Wrapper or Palm
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1018

Db      1  PQANCGIDFIIFWIFW 16

RESULT 8
US-09-764-872-359
; Sequence 359, Application US/09764872
; Publication No. US20030050231A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PA125
; CURRENT APPLICATION NUMBER: US/09/764,872
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 957
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 359
; LENGTH: 36
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-764-872-359

Query Match      7.2%; Score 7; DB 11; Length 36;
Best Local Similarity 100.0%; Pred. No. 9.7;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      24 KKERKKK 30
      |||||
Db      7 KKERKKK 13

RESULT 9
US-09-764-869-1018
; Sequence 1018, Application US/09764869
; Patent No. US20020061521A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC007
; CURRENT APPLICATION NUMBER: US/09/764,869
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 2442
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1018
; LENGTH: 47
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-764-869-1018

Query Match      7.2%; Score 7; DB 9; Length 47;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      25 KERKKR 31
      |||||
Db      14 KERKKR 20

RESULT 10
US-10-091-504-1018
; Sequence 1018, Application US/10091504
; Publication No. US20030059908A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC007C1
; CURRENT APPLICATION NUMBER: US/10/091,504
; CURRENT FILING DATE: 2002-03-07
; NUMBER OF SEQ ID NOS: 2442
; Prior Application removed - See File Wrapper or Palm
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1018

Db      1  PQANCGIDFIIFWIFW 16

LENGTH: 47
TYPE: PRT
ORGANISM: Homo sapiens
US-10-091-504-1018

Query Match      7.2%; Score 7; DB 15; Length 47;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      25 KERKKR 31
      |||||
Db      14 KERKKR 20

RESULT 11
US-09-764-877-1089
; Sequence 1089, Application US/09764877
; Patent No. US20020147140A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC005
; CURRENT APPLICATION NUMBER: US/09/764,877
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 4031
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1089
; LENGTH: 66
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-764-877-1089

Query Match      7.2%; Score 7; DB 10; Length 66;
Best Local Similarity 100.0%; Pred. No. 16;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      24 KKERKKK 30
      |||||
Db      35 KKERKKK 41

RESULT 12
US-09-866-050A-676
; Sequence 676, Application US/09866050A
; Publication No. US20030040471A1
; GENERAL INFORMATION:
; APPLICANT: Watson, James D.
; APPLICANT: Strachan, Lorna
; APPLICANT: Sleeman, Matthew
; APPLICANT: Onrust, Rene
; APPLICANT: Murison, James G.
; APPLICANT: Kumble, Krishanand D.
; TITLE OF INVENTION: Compositions Isolated From Skin Cells
; TITLE OF INVENTION: and Methods for Their Use
; FILE REFERENCE: 11000.1011c4U
; CURRENT APPLICATION NUMBER: US/09/866,050A
; CURRENT FILING DATE: 2001-05-24
; NUMBER OF SEQ ID NOS: 725
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 676
; LENGTH: 94
; TYPE: PRT
; ORGANISM: Mouse
US-09-866-050A-676

Query Match      7.2%; Score 7; DB 11; Length 94;
Best Local Similarity 100.0%; Pred. No. 22;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      23 RKKERKK 29
      |||||
Db      35 RKKERKK 41
```

RESULT 13

US-10-029-386-32398
; Sequence 32398, Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:

; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.

; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR G
; TITLE OF INVENTION: EXPRESSION ANALYSIS TWO

; FILE REFERENCE: AEOMICA-X-2

; CURRENT APPLICATION NUMBER: US/10/029,386

; CURRENT FILING DATE: 2001-12-20

; NUMBER OF SEQ ID NOS: 34288

; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1

; SEQ ID NO 32398

; LENGTH: 154

; TYPE: PRT

; ORGANISM: Homo sapiens

; FEATURE:

; OTHER INFORMATION: MAP TO AL358293.1

; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.7

; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 2

; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 2

; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 2

; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 2.3

US-10-029-386-32398

Query Match

Best Local Similarity 7.2%; Score 7; DB 12; Length 154;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 23 RKKERKK 29

Db 27 RKKERKK 33

RESULT 14

US-10-017-161-1948
; Sequence 1948, Application US/10017161
; Publication No. US20030143668A1

; GENERAL INFORMATION:

; APPLICANT: SUWA, MAKIKO

; APPLICANT: ASAI, KIYOSHI

; APPLICANT: AKIYAMA, YUTAKA

; APPLICANT: ABURATANI, HIROYUKI

; TITLE OF INVENTION: NOVEL G PROTEIN-COUPLED RECEPTORS

; FILE REFERENCE: 084335/0152

; CURRENT APPLICATION NUMBER: US/10/017,161

; CURRENT FILING DATE: 2002-12-18

; PRIOR APPLICATION NUMBER: JP 2001/246789

; PRIOR FILING DATE: 2001-06-18

; NUMBER OF SEQ ID NOS: 2430

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 1948

; LENGTH: 158

; TYPE: PRT

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: MOD.RES

; LOCATION: (24)..(57)

; OTHER INFORMATION: Variable amino acid

US-10-017-161-1948

Query Match

Best Local Similarity 7.2%; Score 7; DB 12; Length 158;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 23 RKKERKK 29

Db 4 RKKERKK 10

RESULT 15

US-10-029-386-32399
; Sequence 32399, Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:

; APPLICANT: Penn, Sharron G.

; APPLICANT: Rank, David R.

; APPLICANT: Hanzel, David K.

; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR

; TITLE OF INVENTION: EXPRESSION ANALYSIS TWO

; FILE REFERENCE: AEOMICA-X-2

; CURRENT APPLICATION NUMBER: US/10/029,386

; CURRENT FILING DATE: 2001-12-20

; NUMBER OF SEQ ID NOS: 34288

; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1

; SEQ ID NO 32399

; LENGTH: 165

; TYPE: PRT

; ORGANISM: Homo sapiens

; FEATURE:

; OTHER INFORMATION: MAP TO AL358293.1

; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.7

; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 2

; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 2

; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 2

; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 2.3

US-10-029-386-32399

Query Match

Best Local Similarity 7.2%; Score 7; DB 12; Length 165;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 23 RKKERKK 29

Db 29 RKKERKK 35

RESULT 16

US-09-764-868-816
; Sequence 816, Application US/09764868
; Patent No. US20020168711A1

; GENERAL INFORMATION:

; APPLICANT: Rosen et al.

; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

; FILE REFERENCE: PTZ32

; CURRENT APPLICATION NUMBER: US/09/764,868

; CURRENT FILING DATE: 2001-01-17

; Prior application data removed - refer to PALM or file wrapper

; NUMBER OF SEQ ID NOS: 1510

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 816

; LENGTH: 170

; TYPE: PRT

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: SITE

; LOCATION: (118)

; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

US-09-764-868-816

Query Match

Best Local Similarity 7.2%; Score 7; DB 10; Length 170;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 23 RKKERKK 29

Db 17 RKKERKK 23

RESULT 17

US-10-017-161-2102

; Sequence 2102, Application US/10017161
; Publication No. US20030143668A1
; GENERAL INFORMATION:
; APPLICANT: SUWA, MAKIKO
; APPLICANT: ASAI, KIYOSHI
; APPLICANT: AKIYAMA, YUTAKA
; APPLICANT: ABURATANI, HIROYUKI
; TITLE OF INVENTION: NOVEL G PROTEIN-COUPLED RECEPTORS
; FILE REFERENCE: 084335/0152
; CURRENT APPLICATION NUMBER: US/10/017,161
; CURRENT FILING DATE: 2002-12-18
; PRIOR APPLICATION NUMBER: JP 2001/246789
; PRIOR FILING DATE: 2001-06-18
; NUMBER OF SEQ ID NOS: 2430
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2102
; LENGTH: 333
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MOD RES
; LOCATION: (29)..(62)
; OTHER INFORMATION: Variable amino acid
; US-10-017-161-2102

Query Match 7.2%; Score 7; DB 12; Length 333;
Best Local Similarity 100.0%; Pred. No. 62;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 63 LLCPPSP 69
| | | | |
Db 259 LLCPPSP 265

RESULT 18
US-09-907-479-6
; Sequence 6, Application US/09907479
; Patent No. US20020034758A1
; GENERAL INFORMATION:
; APPLICANT: Astle, Jon
; APPLICANT: Burgess, Christopher
; APPLICANT: Dwivedi, Poornima
; APPLICANT: Lewis, Marcia
; APPLICANT: Molino, Gary
; APPLICANT: Myerow, Susan
; APPLICANT: Thiagalingam, Arunthathi
; APPLICANT: Catino, Theodore
; TITLE OF INVENTION: No. US20020034758A1el Human Genes and Gene Expression Products:
; FILE REFERENCE: 1657/1015B
; CURRENT APPLICATION NUMBER: US/09/907,479
; CURRENT FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: US 09/385,982
; PRIOR FILING DATE: 1999-08-30
; PRIOR APPLICATION NUMBER: US 09/328,111
; PRIOR FILING DATE: 1999-06-08
; PRIOR APPLICATION NUMBER: US 60/098,639
; PRIOR FILING DATE: 1988-08-31
; PRIOR APPLICATION NUMBER: US 60/117,393
; PRIOR FILING DATE: 1998-01-27
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 6
; LENGTH: 517
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-907-479-6

Query Match 7.2%; Score 7; DB 9; Length 517;
Best Local Similarity 100.0%; Pred. No. 90;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 25 KERKKR 31
| | | | |

Db 300 KERKKR 306

RESULT 19
US-10-280-403-6
; Sequence 6, Application US/10280403
; Publication No. US20030082620A1
; GENERAL INFORMATION:
; APPLICANT: Astle, Jon H
; APPLICANT: Burgess, Christopher C.
; APPLICANT: Dwivedi, Poornima
; APPLICANT: Lewis, Marcia E.
; APPLICANT: Molino, Gary A.
; APPLICANT: Myerow, Susan H.
; APPLICANT: Thiagalingam, Arunthathi
; APPLICANT: Catino, Theodore
; TITLE OF INVENTION: No. US20030082620A1el Human Genes and Gene Expression Products:
; FILE REFERENCE: 1657/1015B
; CURRENT APPLICATION NUMBER: US/10/280,403
; CURRENT FILING DATE: 2002-10-25
; PRIOR APPLICATION NUMBER: US 09/385,982
; PRIOR FILING DATE: 1999-08-30
; PRIOR APPLICATION NUMBER: US 09/328,111
; PRIOR FILING DATE: 1999-06-08
; PRIOR APPLICATION NUMBER: US 60/098,639
; PRIOR FILING DATE: 1988-08-31
; PRIOR APPLICATION NUMBER: US 60/117,393
; PRIOR FILING DATE: 1998-01-27
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
; LENGTH: 517
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-280-403-6

Query Match 7.2%; Score 7; DB 15; Length 517;
Best Local Similarity 100.0%; Pred. No. 90;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 25 KERKKR 31
| | | | |
Db 300 KERKKR 306

RESULT 20
US-10-205-823-315
; Sequence 315, Application US/10205823
; Publication No. US20030108963A1
; GENERAL INFORMATION:
; APPLICANT: Schlegel, Robert
; APPLICANT: Monahan, John E.
; APPLICANT: Endege, Wilson O.
; APPLICANT: Gannavarapu, Manjula
; APPLICANT: Gorbatcheva, Bella
; APPLICANT: Hoersch, Sebastian
; APPLICANT: Kamatkar, Shubhangi
; APPLICANT: Womsey, Angela M.
; APPLICANT: Glatt, Karen
; APPLICANT: Zhao, Xumei
; APPLICANT: Anderson, Dustin
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND
; TITLE OF INVENTION: METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF PROSTATE CANCER
; FILE REFERENCE: MRI-044
; CURRENT APPLICATION NUMBER: US/10/205,823
; CURRENT FILING DATE: 2002-07-25
; PRIOR APPLICATION NUMBER: 60/307,982
; PRIOR FILING DATE: 2001-07-25
; PRIOR APPLICATION NUMBER: 60/314,356
; PRIOR FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 60/325,020
; PRIOR FILING DATE: 2001-09-25


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; PRIOR APPLICATION NUMBER: 60/341,746
; PRIOR FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: 60/362,158
; PRIOR FILING DATE: 2002-03-05
; NUMBER OF SEQ ID NOS: 455
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 315
; LENGTH: 517
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-205-823-315

Query Match      7.2%; Score 7; DB 15; Length 517;
Best Local Similarity 100.0%; Pred. No. 90;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      25 KERKKR 31
      |||||
Db      300 KERKKR 306

RESULT 21
US-09-876-889-352
; Sequence 352, Application US/09876889
; Patent No. US20020076715A1
; GENERAL INFORMATION:
; APPLICANT: Benson, Darin R.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: King, Gordon E.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR OVARIAN
; TITLE OF INVENTION: CANCER THERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.466C3
; CURRENT APPLICATION NUMBER: US/09/876,889
; CURRENT FILING DATE: 2001-06-06
; NUMBER OF SEQ ID NOS: 353
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 352
; LENGTH: 802
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-876-889-352

Query Match      7.2%; Score 7; DB 9; Length 802;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      18 SQTELK 24
      |||||
Db      282 SQTELK 288

RESULT 22
US-09-984-245-306
; Sequence 306, Application US/09984245
; Patent No. US20020165374A1
; GENERAL INFORMATION:
; APPLICANT: Young et al.
; TITLE OF INVENTION: 87 Human Secreted Proteins
; FILE REFERENCE: PZ004P1
; CURRENT APPLICATION NUMBER: US/09/984,245
; CURRENT FILING DATE: 2001-10-29
; PRIOR APPLICATION NUMBER: 09/154,707
; PRIOR FILING DATE: 1998-09-17
; PRIOR APPLICATION NUMBER: PCT/US98/05311
; PRIOR FILING DATE: 1998-03-19
; PRIOR APPLICATION NUMBER: US 60/041,277
; PRIOR FILING DATE: 1997-03-21
; PRIOR APPLICATION NUMBER: US 60/042,344
; PRIOR FILING DATE: 1997-03-21
; PRIOR APPLICATION NUMBER: US 60/041,276
; PRIOR FILING DATE: 1997-03-21
; PRIOR APPLICATION NUMBER: US 60/041,281

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; PRIOR FILING DATE: 1997-03-21
; PRIOR APPLICATION NUMBER: US 60/048,094
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,350
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,188
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,135
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/050,937
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,187
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,099
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,352
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,186
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,069
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,095
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,131
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,096
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,355
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,160
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,351
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,154
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/054,804
; PRIOR FILING DATE: 1997-08-05
; PRIOR APPLICATION NUMBER: US 60/056,370
; PRIOR FILING DATE: 1997-08-19
; PRIOR APPLICATION NUMBER: US 60/060,862
; PRIOR FILING DATE: 1997-10-02
; NUMBER OF SEQ ID NOS: 343
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 306
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-984-245-306

Query Match      6.2%; Score 6; DB 10; Length 19;
Best Local Similarity 100.0%; Pred. No. 57;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      24 KKERKK 29
      |||||
Db      10 KKERKK 15

RESULT 23
US-09-966-262-306
; Sequence 306, Application US/09966262
; Publication No. US20030050461A1
; GENERAL INFORMATION:
; APPLICANT: Young et al.
; TITLE OF INVENTION: 87 Human Secreted Proteins
; FILE REFERENCE: PZ004P1
; CURRENT APPLICATION NUMBER: US/09/966,262
; CURRENT FILING DATE: 2001-10-01
; PRIOR APPLICATION NUMBER: US 09/154,707
; PRIOR FILING DATE: 1998-09-17
; PRIOR APPLICATION NUMBER: PCT/US98/05311
; PRIOR FILING DATE: 1998-03-19
; PRIOR APPLICATION NUMBER: US 60/041,277

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; PRIOR FILING DATE: 1997-03-21
; PRIOR APPLICATION NUMBER: US 60/042,344
; PRIOR FILING DATE: 1997-03-21
; PRIOR APPLICATION NUMBER: US 60/041,276
; PRIOR FILING DATE: 1997-03-21
; PRIOR APPLICATION NUMBER: US 60/041,281
; PRIOR FILING DATE: 1997-03-21
; PRIOR APPLICATION NUMBER: US 60/048,094
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,350
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,188
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,135
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/050,937
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,187
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,099
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,352
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,186
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,069
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,095
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,131
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,096
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,355
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,160
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,351
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,154
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/054,804
; PRIOR FILING DATE: 1997-08-05
; PRIOR APPLICATION NUMBER: US 60/056,370
; PRIOR FILING DATE: 1997-08-19
; PRIOR APPLICATION NUMBER: US 60/060,862
; PRIOR FILING DATE: 1997-10-02
; NUMBER OF SEQ ID NOS: 343
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 306
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-966-262-306

```

```

Query Match      6.2%; Score 6; DB 11; Length 19;
Best Local Similarity 100.0%; Pred. No. 57;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY      24 KKERKK 29
Db      10 KKERKK 15

```

```

RESULT 24
US-09-983-966-306
; Sequence 306, Application US/09983966
; Publication No. US20030060619A1
; GENERAL INFORMATION:
; APPLICANT: Young et al.
; TITLE OF INVENTION: 87 Human Secreted Proteins
; FILE REFERENCE: PZ004P1
; CURRENT APPLICATION NUMBER: US/09/983,966

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; CURRENT FILING DATE: 2001-10-29
; PRIOR APPLICATION NUMBER: 09/154,707
; PRIOR FILING DATE: 1998-09-17
; PRIOR APPLICATION NUMBER: PCT/US98/05311
; PRIOR FILING DATE: 1998-03-19
; PRIOR APPLICATION NUMBER: US 60/041,277
; PRIOR FILING DATE: 1997-03-21
; PRIOR APPLICATION NUMBER: US 60/042,344
; PRIOR FILING DATE: 1997-03-21
; PRIOR APPLICATION NUMBER: US 60/041,276
; PRIOR FILING DATE: 1997-03-21
; PRIOR APPLICATION NUMBER: US 60/041,281
; PRIOR FILING DATE: 1997-03-21
; PRIOR APPLICATION NUMBER: US 60/048,094
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,350
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,188
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,135
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/050,937
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,187
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,099
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,352
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,186
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,069
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,095
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,131
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,096
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,355
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,160
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,351
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/048,154
; PRIOR FILING DATE: 1997-05-30
; PRIOR APPLICATION NUMBER: US 60/054,804
; PRIOR FILING DATE: 1997-08-05
; PRIOR APPLICATION NUMBER: US 60/056,370
; PRIOR FILING DATE: 1997-08-19
; PRIOR APPLICATION NUMBER: US 60/060,862
; PRIOR FILING DATE: 1997-10-02
; NUMBER OF SEQ ID NOS: 343
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 306
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-983-966-306

```

```

Query Match      6.2%; Score 6; DB 11; Length 19;
Best Local Similarity 100.0%; Pred. No. 57;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY      24 KKERKK 29
Db      10 KKERKK 15

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RESULT 25
US-10-143-090-306
; Sequence 306, Application US/10143090

```

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; Publication No. US20030069406A1
; GENERAL INFORMATION:
; APPLICANT: Young et al.
; TITLE OF INVENTION: 87 Human Secreted Proteins
; FILE REFERENCE: PZ004P1
; CURRENT APPLICATION NUMBER: US/10/143,090
; CURRENT FILING DATE: 2002-05-13
; PRIOR APPLICATION NUMBER: 09/154,707
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 343
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 306
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-143-090-306

Query Match          6.2%; Score 6; DB 15; Length 19;
Best Local Similarity 100.0%; Pred. No. 57;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      24 KKERKK 29
Db      10 KKERKK 15

RESULT 26
US-09-925-299-1023
; Sequence 1023, Application US/09925299
; Patent No. US20020055627A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA102
; CURRENT APPLICATION NUMBER: US/09/925,299
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05883
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 1556
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1023
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-925-299-1023

Query Match          6.2%; Score 6; DB 9; Length 28;
Best Local Similarity 100.0%; Pred. No. 78;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      14 SETLSQ 19
Db      14 SETLSQ 19

RESULT 27
US-09-925-299-1023
; Sequence 1023, Application US/09925299
; Publication No. US20030040617A9
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA102
; CURRENT APPLICATION NUMBER: US/09/925,299
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05883
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; NUMBER OF SEQ ID NOS: 1556
; SOFTWARE: PatentIn Ver. 2.0
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; SEQ ID NO 1023
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-925-299-1023

Query Match          6.2%; Score 6; DB 11; Length 28;
Best Local Similarity 100.0%; Pred. No. 78;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      14 SETLSQ 19
Db      14 SETLSQ 19

RESULT 28
US-10-001-870-145
; Sequence 145, Application US/10001870
; Publication No. US20020150924A1
; GENERAL INFORMATION:
; APPLICANT: Salceda, Susana
; APPLICANT: Macina, Roberto
; APPLICANT: Recipon, Herve
; APPLICANT: Sun, Yongming
; APPLICANT: Liu, Chenghua
; TITLE OF INVENTION: Compositions and Methods Relating to Prostate Specific Genes an
; FILE REFERENCE: DEX-0283
; CURRENT APPLICATION NUMBER: US/10/001,870
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 60/252,189
; PRIOR FILING DATE: 2000-11-21
; NUMBER OF SEQ ID NOS: 217
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 145
; LENGTH: 35
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-001-870-145

Query Match          6.2%; Score 6; DB 14; Length 35;
Best Local Similarity 100.0%; Pred. No. 94;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      25 KERKKK 30
Db      11 KERKKK 16

RESULT 29
US-10-001-857-134
; Sequence 134, Application US/10001857
; Publication No. US20020183500A1
; GENERAL INFORMATION:
; APPLICANT: Macina, Roberto
; APPLICANT: Recipon, Herve
; APPLICANT: Chen, Sei-Yu
; APPLICANT: Sun, Yongming
; APPLICANT: Liu, Chenghua
; TITLE OF INVENTION: Compositions and Methods Relating to Lung Specific Genes and Pr
; FILE REFERENCE: DEX-0273
; CURRENT APPLICATION NUMBER: US/10/001,857
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 60/252,054
; PRIOR FILING DATE: 2000-11-20
; NUMBER OF SEQ ID NOS: 208
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 134
; LENGTH: 35
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-001-857-134

Query Match          6.2%; Score 6; DB 14; Length 35;
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Best Local Similarity 100.0%; Pred. No. 94;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 14 SETLSQ 19
| | | | |
Db 20 SETLSQ 25

RESULT 30
US-09-764-891-4700
; Sequence 4700, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC006
; CURRENT APPLICATION NUMBER: US/09/764,891
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4700
; LENGTH: 46
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (28)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-764-891-4700

Query Match 6.2%; Score 6; DB 11; Length 46;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 14 SETLSQ 19
| | | | |
Db 35 SETLSQ 40

RESULT 31
US-10-029-386-28947
; Sequence 28947, Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Hanzel, David K.
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR G
; FILE REFERENCE: AEOMICA-X-2
; CURRENT APPLICATION NUMBER: US/10/029,386
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 34288
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 28947
; LENGTH: 49
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO CHR10.1
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.99
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 2
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 2.1
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 2
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 2.4
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.7
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.4
US-10-029-386-28947

Query Match 6.2%; Score 6; DB 12; Length 49;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 69 PKEVTC 74
| | | | |
Db 32 PKEVTC 37

RESULT 32
US-09-864-761-37309
; Sequence 37309, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
; FILE REFERENCE: Aeomica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 37309
; LENGTH: 51
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC010885.2
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.5
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.9
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.3
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.7
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.5
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.5
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.6
; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 1.5
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.7

; OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 1.7
US-09-864-761-37309

Query Match 6.2%; Score 6; DB 9; Length 51;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 29 KKRERK 34
Db 4 KKRERK 9

RESULT 33
US-09-864-761-42719
; Sequence 42719, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Aeomica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 42719
; LENGTH: 51
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC010885.1
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.2
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1

US-09-864-761-42719

Query Match 6.2%; Score 6; DB 9; Length 51;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 29 KKRERK 34
Db 4 KKRERK 9

RESULT 34
US-09-864-761-43079
; Sequence 43079, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Aeomica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 43079
; LENGTH: 59
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AL049735.4
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.68
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 0.79
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.65
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.61
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.76

; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.63
US-09-864-761-43079

Query Match 6.2%; Score 6; DB 9; Length 59;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 27 RKKKRE 32
Db 6 RKKKRE 11

RESULT 35
US-09-864-761-33889
; Sequence 33889, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng

; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR

; FILE REFERENCE: Aeomica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1

; SEQ ID NO 33889
; LENGTH: 64
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC007546.5
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 2.3
; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 2.1
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 3.4

; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 2
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.8
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.7
; OTHER INFORMATION: EXPRESSED IN HEL100, SIGNAL = 2.2
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.8
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 2.1
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.9
; OTHER INFORMATION: EST HUMAN HIT: AW867799.1, EVALUE 3.00e-13
; OTHER INFORMATION: EST_HUMAN HIT: AU125286.1, EVALUE 4.00e-13
US-09-864-761-33889

Query Match 6.2%; Score 6; DB 9; Length 64;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 59 IQESLL 64
Db 2 IQESLL 7

RESULT 36
US-09-864-761-34523
; Sequence 34523, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng

; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR

; FILE REFERENCE: Aeomica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
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; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 34523

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; LENGTH: 69
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC006028.2
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 6
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 5.8
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 5.2
; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 4.9
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 6.5
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 5.5
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 8
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 4.7
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 5.8
; OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 14
; OTHER INFORMATION: EST_HUMAN HIT: BE071726.1, EVALUE 5.40e-01
US-09-864-761-34523
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Query Match          6.2%; Score 6; DB 9; Length 69;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      25 KERKKK 30
      |||||
Db       36 KERKKK 41
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RESULT 37
US-09-764-891-3256
; Sequence 3256, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC006
; CURRENT APPLICATION NUMBER: US/09/764,891
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3256
; LENGTH: 70
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (15)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-764-891-3256
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Query Match          6.2%; Score 6; DB 11; Length 70;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      28 KKKRER 33
      |||||
Db       1 KKKRER 6
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RESULT 38
US-09-933-767-355
; Sequence 355, Application US/09933767
; Publication No. US20030181692A1
; GENERAL INFORMATION:
; APPLICANT: N1 et al.
; TITLE OF INVENTION: 207 Human Secreted Proteins
; FILE REFERENCE: P2007P2
; CURRENT APPLICATION NUMBER: US/09/933,767
; CURRENT FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: PCT/US01/05614
; PRIOR FILING DATE: 2001-02-21
; PRIOR APPLICATION NUMBER: 60/184,836
; PRIOR FILING DATE: 2000-02-24
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; PRIOR APPLICATION NUMBER: 60/193,170
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: 09/205,258
; PRIOR FILING DATE: 1998-12-04
; PRIOR APPLICATION NUMBER: PCT/US98/11422
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/048,885
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/049,375
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,881
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,880
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,896
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/049,020
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,876
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,895
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,884
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,894
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,971
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,964
; PRIOR FILING DATE: 1997-06-06
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; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,916
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; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,962
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,963
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; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,877
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/048,878
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: 60/068,054
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; PRIOR FILING DATE: 1997-12-18
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; PRIOR FILING DATE: 1997-12-18
; PRIOR APPLICATION NUMBER: 60/070,923
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; PRIOR FILING DATE: 1998-01-30
; PRIOR APPLICATION NUMBER: 60/073,164
; PRIOR FILING DATE: 1998-01-30
; PRIOR APPLICATION NUMBER: 60/085,925
; PRIOR FILING DATE: 1998-05-18
; PRIOR APPLICATION NUMBER: 60/085,921
; PRIOR FILING DATE: 1998-05-18
; PRIOR APPLICATION NUMBER: 60/085,923
; PRIOR FILING DATE: 1998-05-18
; PRIOR APPLICATION NUMBER: 60/085,922
; PRIOR FILING DATE: 1998-05-18
; PRIOR APPLICATION NUMBER: 60/092,921
; PRIOR FILING DATE: 1998-07-15
; PRIOR APPLICATION NUMBER: 60/094,657
; PRIOR FILING DATE: 1998-07-30
; NUMBER OF SEQ ID NOS: 1245
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 355
; LENGTH: 71.
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (35)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (71)
; OTHER INFORMATION: Xaa equals stop translation
US-09-933-767-355

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Query Match          6.2%; Score 6; DB 12; Length 71;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      89 SHLGR 94
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Db      58 SHLGR 63

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RESULT 39
US-10-023-282-355
; Sequence 355, Application US/10023282
; Publication No. US20030092893A1
; GENERAL INFORMATION:
; APPLICANT: Young et al.
; TITLE OF INVENTION: 207 Human Secreted Proteins
; FILE REFERENCE: PZ007P1
; CURRENT APPLICATION NUMBER: US/10/023,282
; CURRENT FILING DATE: 2001-12-20
; EARLIER APPLICATION NUMBER: 09/205,258
; EARLIER FILING DATE: 1998-12-04
; EARLIER APPLICATION NUMBER: PCT/US98/11422
; EARLIER FILING DATE: 1998-06-04
; EARLIER APPLICATION NUMBER: 60/048,885
; EARLIER FILING DATE: 1997-06-06

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; EARLIER APPLICATION NUMBER: 60/049,375
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; EARLIER APPLICATION NUMBER: 60/048,880
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/048,896
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; EARLIER APPLICATION NUMBER: 60/048,876
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; EARLIER APPLICATION NUMBER: 60/048,895
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; EARLIER APPLICATION NUMBER: 60/048,963
; EARLIER FILING DATE: 1997-06-06
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; EARLIER APPLICATION NUMBER: 60/048,878
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/070,923
; EARLIER FILING DATE: 1997-12-18
; EARLIER APPLICATION NUMBER: 60/092,921

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; SEQ ID NO 355
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; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (35)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (71)
; OTHER INFORMATION: Xaa equals stop translation
; US-10-023-282-355

Query Match          6.2%; Score 6; DB 15; Length 71;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      89 SHLGRR 94
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Db      58 SHLGRR 63

RESULT 40
US-09-250-611-19
; Sequence 19, Application US/09250611
; Patent No. US20020143161A1
; GENERAL INFORMATION:
; APPLICANT: Byrne, Jennifer A.
; APPLICANT: Basset, Paul
; TITLE OF INVENTION: Members of the D52 Gene Family
; FILE REFERENCE: 1383.0210001
; CURRENT APPLICATION NUMBER: US/09/250,611
; CURRENT FILING DATE: 1999-02-17
; NUMBER OF SEQ ID NOS: 108
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 19
; LENGTH: 73
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-250-611-19

Query Match          6.2%; Score 6; DB 10; Length 73;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db      16 SETLSQ 21

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Job time : 108.257 secs
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GenCore version 5.1.4_p5_4578
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OM protein - nucleic search, using frame_plus_p2n model

Run on: May 11, 2003, 18:46:17 ; Search time 42 Seconds
(without alignments)
708.277 Million cell updates/sec

Title: US-09-854-133-586
Perfect score: 532
Sequence: 1 EVEVSRDHASLGDSLTSTQ.....LTGGCLPWATRSHLGRKCS 97

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Ygapop 0.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 441362 seqs, 153338381 residues
Total number of hits satisfying chosen parameters: 875442

Minimum DB seq length: 0
Maximum DB seq length: 5000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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-DB-Issued Patents_NA -QFMT=fastap -SUFFIX=rni -MINMATCH=0.1 -LOOPCL=0
-LOOPEXT=0 -UNITS=bits -START=1 -END=-1 -MATRIX=blosum62 -TRANS=human40.cdi
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

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2	283	53.2	3520	1 US-08-424-788-1	Sequence 1, Appli
3	283	53.2	3520	1 US-08-110-683-3	Sequence 3, Appli
4	283	53.2	3520	2 US-08-477-166-3	Sequence 3, Appli
5	283	53.2	3520	2 US-08-472-097-3	Sequence 3, Appli
6	283	53.2	3520	4 US-09-439-672-3	Sequence 3, Appli
7	283	53.2	3520	5 PCT-US93-11638-3	Sequence 3, Appli
8	282.5	53.1	3025	1 US-08-444-734A-1	Sequence 1, Appli
9	282	53.0	1001	4 US-09-641-638-319	Sequence 319, App
10	281	52.8	2693	1 US-07-925-695-4	Sequence 4, Appli
C 11	279.5	52.5	2907	2 US-09-018-628-17	Sequence 17, Appli
C 12	279.5	52.5	2907	3 US-09-273-378-17	Sequence 17, Appli

C 13	279.5	52.5	2907	4 US-09-018-635-26	Sequence 26, Appli
C 14	279.5	52.5	2907	4 US-09-467-642-3	Sequence 3, Appli
C 15	279.5	52.5	4608	4 US-09-041-886-24	Sequence 24, Appli
C 16	279.5	52.5	4608	5 PCT-US94-05277-1	Sequence 1, Appli
C 17	278.5	52.3	2395	4 US-09-724-864-24	Sequence 24, Appli
18	276.5	52.0	1611	4 US-09-249-697A-2	Sequence 2, Appli
19	276.5	52.0	1611	4 US-09-363-316B-2	Sequence 2, Appli
20	276.5	52.0	2569	1 US-08-631-607-1	Sequence 1, Appli
21	276.5	52.0	2569	4 US-09-098-358B-1	Sequence 1, Appli
22	276.5	52.0	3098	4 US-09-232-200-58	Sequence 58, Appli
23	276.5	52.0	3098	4 US-09-232-197-58	Sequence 58, Appli
24	276.5	52.0	3098	4 US-09-232-201-58	Sequence 58, Appli
25	276.5	52.0	4400	4 US-09-221-017B-995	Sequence 995, App
C 26	275	51.7	1969	1 US-08-106-761-3	Sequence 3, Appli
C 27	274.5	51.6	2017	4 US-09-436-983-1	Sequence 1, Appli
28	274	51.5	2274	1 US-08-371-930-28	Sequence 28, Appli
29	274	51.5	2274	5 PCT-US94-01712-28	Sequence 28, Appli
C 30	273.5	51.4	2152	4 US-09-013-895A-1	Sequence 1, Appli
C 31	273.5	51.4	2152	4 US-09-565-918-1	Sequence 1, Appli
C 32	273.5	51.4	2152	4 US-09-448-868-1	Sequence 1, Appli
C 33	273.5	51.4	2983	3 US-09-058-489-86	Sequence 86, Appli
C 34	273.5	51.4	3247	4 US-09-221-017B-167	Sequence 167, App
C 35	272.5	51.2	1647	1 US-08-198-446B-9	Sequence 9, Appli
C 36	272.5	51.2	1647	2 US-08-870-693-9	Sequence 9, Appli
37	272.5	51.2	2568	4 US-09-228-986-2	Sequence 2, Appli
C 38	272	51.1	1454	4 US-09-149-476-302	Sequence 302, App
C 39	272	51.1	1525	2 US-08-824-996-1	Sequence 1, Appli
C 40	272	51.1	1526	2 US-08-999-811-3	Sequence 3, Appli
C 41	272	51.1	1526	3 US-09-042-105-3	Sequence 3, Appli
C 42	272	51.1	1674	2 US-08-999-811-1	Sequence 1, Appli
C 43	272	51.1	1674	3 US-09-042-105-1	Sequence 1, Appli
C 44	272	51.1	1674	5 PCT-US96-09001-1	Sequence 1, Appli
C 45	272	51.1	1997	3 US-08-795-430-7	Sequence 7, Appli

ALIGNMENTS

RESULT 1
US-08-861-745B-2/c
; Sequence 2, Application US/08861745B
; Patent No. 6165733
; GENERAL INFORMATION:
; APPLICANT: Cen, Hui
; APPLICANT: Williams, Lewis
; TITLE OF INVENTION: Gamma II Adaptin
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Banner & Witcoff
; STREET: 1001 G Street, NW
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20001
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/861,745B
; FILING DATE: 22-MAY-1997
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Kagan, Sarah A
; REGISTRATION NUMBER: 32141
; REFERENCE/DOCKET NUMBER: 02441.05336
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-508-9100
; TELEFAX: 202-508-9299
; TELEX:

; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2533 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
US-08-861-745B-2

Alignment Scores:
Pred. No.: 1.42e+04 Length: 2533
Score: 283.00 Matches: 57
Percent Similarity: 32.05% Conservat: 18
Best Local Similarity: 24.36% Mismatches: 13
Query Match: 53.20% Indels: 146
DB: 4 Gaps: 51

US-09-854-133-586 (1-97) x US-08-861-745B-2 (1-2533)

QY 1 Glu---ValGluVal-----Ser---Arg-----Asp----- 7
::: :::
Db 2137 CAGTGACTAAGAGCAAGCAGGGGTCTCCAAGGGCCGCGATGAAAGAAAGATCCAGCTGTA 2078
QY 8 -----HisAla---SerLeu-----Gly---Asp-----Ser----- 14
::: :::
Db 2077 GGCCCTCACGCTCAACACTCTGACACTGGGGATGGGAGTGGGGTGGGGTGTACAGG 2018
QY 15 GluThrLeuSerGln---ThrGluLeuArg-----LysLys---GluArgLys 28
::: :::
Db 2017 GAA-----GGTCAAGGAGATGAATTAAAGGCTTCCCTCGGGAGGAGTCTGAGGAGAA 1964
QY 29 -----LysLysArgGluArgLysPheGlnAla---AsnCys-----Gly 40
::: :::
Db 1963 GATGCTGGGCATGCCCAAGAGAGAG-----GCTCTGAAGTGTACCCAGGA 1916
QY 41 -----IleAspPheIle---IlePheTrp-----IlePheTrp-----Ile--- 51
::: :::
Db 1915 GATCCAGTAGAT---CTAAGAGTTTGGTGGCCTGGGTTCTGTGGGGCAGGGGTGTCA 1859
QY 52 Leu-----Leu---Phe-----Ser-----His 56
::: :::
Db 1858 CTTCCAAGGGCTGGGCTTCGGTTTGCTTCTCCTTCCCTCCCTCTTTAACGTGGGGTCA 1799
QY 57 HisTrpIleGlnGlu---Ser---Leu-----Leu----- 64
::: :::
Db 1798 CACGCTCTACAAGAGGATCTTTTCTAGGATGGCGGCTCTCATGTGGTCTGACTTCTGGA 1739
QY 65 -----Cys-----Pro---Pro-----SerPro-----Lys 70
::: :::
Db 1738 AGAGTGTATTATCTCCACAGCCCGCTGTTGTCAGCTCTAAGTCCACACAGCTCCCGTAGA 1679
QY 71 -----GluValThrCysArgGluMetLeuThrGly---GlyCys----- 82
::: :::
Db 1678 TGGACACACCCTGGCGAATACGATTGT-----TGCTCCCCGGAGTCGGGTGCTCAGCT 1625
QY 83 -----Leu-----Pro---Trp---Ala-----Thr----- 87
::: :::
Db 1624 TCATGAGGGCTGTGATGGCGTAGCCCCGAGTGGCTGGCAGGACATATGGGACTGCAGCA 1565
QY 88 -----Arg-----Arg-----Ser---His 90
::: :::
Db 1564 CCTTTTCCAGCAGTGTAGCAGCTCTCTTCTTCCACCTGAAAAGGCTCCGTCTCCTCAC 1505
QY 91 -----Leu-----Gly---Arg---ArgLysCysSer 97
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Db 1504 AGTTACCTTCCAGCAGGAGGTCCCCATACTCGCCAATGCACC 1463

RESULT 2

US-08-424-788-1
; Sequence 1, Application US/08424788
; Patent No. 5716804
; GENERAL INFORMATION:
; APPLICANT: Moore, Kevin W.
; APPLICANT: Wei, Sherry

; APPLICANT: Ho, Alice Suk-Yue
; TITLE OF INVENTION: MAMMALIAN INTERLEUKIN-10 (IL-10)
; TITLE OF INVENTION: SUPER-ACTIVATING RECEPTORS; AND VARIANTS
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; STREET: 901 California Avenue
; CITY: Palo Alto
; STATE: California
; COUNTRY: USA
; ZIP: 94304-1104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/424,788
; FILING DATE: 19-APR-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Ching, Edwin P.
; REGISTRATION NUMBER: 34,090
; REFERENCE/DOCKET NUMBER: DX0501
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-852-9196
; TELEFAX: 415-496-1200
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3520 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 80..1807
; FEATURE:
; NAME/KEY: mat_peptide
; LOCATION: 128..1807
US-08-424-788-1

Alignment Scores:
Pred. No.: 4.87e+04 Length: 3520
Score: 283.00 Matches: 63
Percent Similarity: 25.66% Conservat: 15
Best Local Similarity: 20.72% Mismatches: 10
Query Match: 53.20% Indels: 216
DB: 1 Gaps: 62

US-09-854-133-586 (1-97) x US-08-424-788-1 (1-3520)

QY 1 Glu-----ValGluValSerArg-----Asp-----HisAla 9
::: :::
Db 2001 GAGTGAGGCTGTGTAGATACCAGCAGAGCTGAGCAGGATTGACAGAGACCTCCTCATGCC 2060
QY 10 Ser-----Leu-----Gly----- 12
::: :::
Db 2061 TCAGGGCTGGCTCCTACACTGGAAGACCTGTGTTGGGTGTAAACCTCAGGGCTTCTGG 2120
QY 13 -----Asp-----SerGlu---Thr-----LeuSer---GlnThr---Glu 21
::: :::
Db 2121 ATGTGGAAGACTGTAGGTCTGAAGTCAGCTGAGCCCTGGATGTCTCGGAGGTGTTGGAG 2180
QY 22 ---Leu-----Arg---Lys-----LysGluArg---Lys---Lys--- 29
::: :::
Db 2181 TGGCTAGCCTGCTACAGGATAAGGGAAGGCTCAAG---AGATAGAAGGGCAGAGCATGA 2237
QY 30 ---Lys-----Arg---Glu-----Arg----- 33
::: :::
Db 2238 GCCAGGTTAATTTTGTCTCTAGAGATGGTCCCCAGCCAGATGGTTACTTGTGGCTG 2297
QY 34 ---Lys-----Phe-----Gln---AlaAsn-----Cys--- 39


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QY 61 Glu----Ser-----LeuLeu-----Cys----- 65
Db 2595 GACTTATGCTGCTTTTGTCTGCTAATCTCTAACTGCAGACCCAGAGAACAGGGTGTCTGG 2654
QY 66 -----ProPro---Ser-----Pro-----Lys 70
Db 2655 CTGACACCTCCGTGTTTCAGCTGTGTGACCTCCGACCAGCAGCTTCTCAGGGGACTAAA 2714
QY 71 -----GluVal-----Thr---Cys-----ArgGluMetLeuThr 79
Db 2715 TAATGACTAGTGCATTCAGAAAGTCCCTCATGCTGAATGTTAACCAAG----- 2762
QY 80 GlyGlyCysLeuProTrp-----AlaThr----- 87
Db 2763 -----TGC---CCCTGGGGTGATAGTTTAGGTCCTTGCAACCTCTGGGTTGGAAGGAAGT 2813
QY 88 -----Arg-----Ser---HisLeu---Gly-----ArgArg 94
Db 2814 GGACTACGGAAGCCATCTGTCCCCCTGGGAGCTTCCACCTCATGCCAGTGTTCAGAGA 2873
QY 95 LysCys---Ser 97
Db 2874 TCTGTGGGAGC 2885
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RESULT 4

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US-08-477-166-3
; Sequence 3, Application US/08477166
; Patent No. 5863796
; GENERAL INFORMATION:
; APPLICANT: Moore, Kevin W.
; APPLICANT: Liu, Ying
; APPLICANT: Ho, Alice Suk-Yue
; APPLICANT: Hsu, Di-Hwei
; APPLICANT: Bazan, J. Fernando
; APPLICANT: Tan, Jimmy C.
; APPLICANT: Chou, Chuan-Chu
; TITLE OF INVENTION: Mammalian Receptors for Interleukin-10
; TITLE OF INVENTION: (IL-10)
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: DNAX Research Institute
; STREET: 901 California Avenue
; CITY: Palo Alto
; STATE: California
; COUNTRY: USA
; ZIP: 94304-1104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/477,166
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/110,683
; FILING DATE: 23-AUG-1993
; APPLICATION NUMBER: US 08/011,066
; FILING DATE: 29-JAN-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Ching, Edwin P.
; REGISTRATION NUMBER: 34,090
; REFERENCE/DOCKET NUMBER: DX0335K1
; TELEPHONE: 415-852-9196
; TELEFAX: 415-496-1200
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3520 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
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; MOLECULE TYPE: CDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 80..1807
US-08-477-166-3
Alignment Scores:
Pred. No.: 4.87e+04 Length: 3520
Score: 283.00 Matches: 63
Percent Similarity: 25.66% Conservative: 15
Best Local Similarity: 20.72% Mismatches: 10
Query Match: 53.20% Indels: 216
DB: 2 Gaps: 62
US-09-854-133-586 (1-97) x US-08-477-166-3 (1-3520)
QY 1 Glu-----ValGluValSerArg-----Asp-----HisAla 9
Db 2001 GAGTGAGGTTCTGTAGATACACAGCAGAGCTGAGCAGGATTGACAGAGACCTCCTCATGCC 2060
QY 10 Ser-----Leu-----Gly----- 12
Db 2061 TCAGGGCTGGCTCCTACACTGGAAGGACCTGTGTTGGGTGTAACCTCAGGGCTTCTGG 2120
QY 13 -----Asp-----SerGlu---Thr-----LeuSer---GlnThr---Glu 21
Db 2121 ATGTGGTAAGACTGTAGGTCGTGAAGTCAGCTGAGCCTGGATGTCTGCGGAGGTGTGGAG 2180
QY 22 ---Leu-----Arg---Lys-----LysGluArg---Lys-----Lys 29
Db 2181 TGGCTAGCCTGTCTACAGGATAAAGGAGGTTCAAG---AGATAGAAGGGCAGAGCATGA 2237
QY 30 ---Lys-----Arg---Glu---Arg----- 33
Db 2238 GCCAGGTTTAATTTGTCTGTAGAGATGGTCCCCAGCCAGGATGGTTACTTGTGGCTG 2297
QY 34 ---Lys-----Phe-----Gln---AlaAsn-----Cys--- 39
Db 2298 GGAGATCTTGGGGTATACACCACCTGAATGATCAGCCAGTCAATTGAGAGCTGTGTGGC 2357
QY 40 -----GlyLeu----- 41
Db 2358 AAAAGGGACTGAGACCCAGAAATTTCTGTTCTCTTGTGAGGTGTCTCTGTACCCATCTG 2417
QY 42 -----Asp---PheIleIlePhe---Trp-----Ile---Phe---Trp 50
Db 2418 CAGACAGACATCTTC---ATCTTTTACTATGCTGTGTCCCTGAATTACAGCAGTGG 2474
QY 51 -----IleLeuLeu-----Phe 54
Db 2475 CCAAGCCATTACTCCCTGCTGCTCACTGTGTGACGTGAGACCCAGACAGACGCTGTCTG 2534
QY 55 Ser-----HisHis-----Trp-----Ile-----Gln----- 60
Db 2535 TCTGTGTTAGTACACTACCTTTAGGTGGCCTTTGGGCTTGAGCACTGGCCAGGCTTAG 2594
QY 61 Glu---Ser-----LeuLeu-----Cys----- 65
Db 2595 GACTTATGCTGCTTTTGTCTGCTAATCTCTAACTGCAGACCCAGAGAACAGGGTGTCTGG 2654
QY 66 -----ProPro---Ser-----Pro-----Lys 70
Db 2655 CTGACACCTCCGTGTTTCAGCTGTGTGACCTCCGACCAGCAGCTTCTCAGGGGACTAAA 2714
QY 71 -----GluVal-----Thr---Cys-----ArgGluMetLeuThr 79
Db 2715 TAATGACTAGTGCATTCAGAAAGTCCCTCATGCTGAATGTTAACCAAG----- 2762
QY 80 GlyGlyCysLeuProTrp-----AlaThr----- 87
Db 2763 -----TGC---CCCTGGGGTGATAGTTTAGGTCCTTGCAACCTCTGGGTTGGAAGGAAGT 2813
QY 88 -----Arg-----Ser---HisLeu---Gly-----ArgArg 94
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Db 2814 GGACTACGGAAGCCATCTGTCCCTGGGGAGCTTCCACCTCATGCCAGTGTTCAGAGA 2873

QY 95 LysCys---Ser 97
Db 2874 TCTTGTGGGAGC 2885

RESULT 5
US-08-472-097-3
; Sequence 3, Application US/08472097
; Patent No. 5985828
; GENERAL INFORMATION:
; APPLICANT: Moore, Kevin W.
; APPLICANT: Liu, Ying
; APPLICANT: Ho, Alice Suk-Yue
; APPLICANT: Hsu, Di-Hwei
; APPLICANT: Bazan, J. Fernando
; APPLICANT: Tan, Jimmy C.
; APPLICANT: Chou, Chuan-Chu
; TITLE OF INVENTION: Mammalian Receptors for Interleukin-10
; TITLE OF INVENTION: (IL-10)
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: DNAX Research Institute
; STREET: 901 California Avenue
; CITY: Palo Alto
; STATE: California
; COUNTRY: USA
; ZIP: 94304-1104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/472,097
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/110,683
; FILING DATE: 23-AUG-1993
; APPLICATION NUMBER: US 08/011,066
; FILING DATE: 29-JAN-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Ching, Edwin P.
; REGISTRATION NUMBER: 34,090
; REFERENCE/DOCKET NUMBER: DX0335K1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-852-9196
; TELEFAX: 415-496-1200
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3520 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 80..1807
US-08-472-097-3

Alignment Scores:
Pred. No.: 4.87e+04 Length: 3520
Score: 283.00 Matches: 63
Percent Similarity: 25.66% Conservative: 15
Best Local Similarity: 20.72% Mismatches: 10
Query Match: 53.20% Indels: 216
DB: 2 Gaps: 62

US-09-854-133-586 (1-97) x US-08-472-097-3 (1-3520)

QY 1 Glu-----ValGluValSerArg-----Asp-----HisAla 9

Db 2001 GAGTGAGGTCTGTAGATACCAGCAGAGCTGAGCAGGATTGACAGAGACCTCCTCATGCC 2060
QY 10 Ser-----Leu-----Gly----- 12
Db 2061 TCAGGGCTGGCTCCTACACTGGAAGGACCTGTGTTGGGTGTAACCTCAGGGCTTTCTGG 2120
QY 13 -----Asp-----SerGlu---Thr-----LeuSer---GlnThr---Glu 21
Db 2121 ATGTGTAAGACTGTAGGTCTGAAGTCAGCTGAGCCTGGATGCTGCGGAGGTGTTGGAG 2180
QY 22 ---Leu-----Arg---Lys-----LysGluArg---Lys---Lys----- 29
Db 2181 TGGCTAGCCTGCTACAGGATAAAGGAAGGCTCAAG---AGATAAAGGCGCAGAGCATGA 2237
QY 30 ---Lys-----Arg---Glu-----Arg----- 33
Db 2238 GCCAGGTTAAATTTGTCTGTAGAGATGGTCCCAGCCAGGATGGGTACTTGTGGCTG 2297
QY 34 ---Lys-----Phe-----Gln---AlaAsn-----Cys--- 39
Db 2298 GGAGATCTGGGGTATACACCACCTGAATGATCAGCCAGTCAATTACAGAGCTGTGTGGC 2357
QY 40 -----GlyIle----- 41
Db 2358 AAAAGGGACTGAGACCCAGAAATTTCTGTTCTCTTGTGAGGTGCTCTGTACCCATCTG 2417
QY 42 -----Asp---PheIleIlePhe-----Trp-----Ile---Phe-----Trp 50
Db 2418 CAGACAGACATCTTC---ATCTTTTACTATGGCTGTGTCCCCTGAATTACACGAGTGG 2474
QY 51 -----IleLeuLeu-----Cys-----Phe 54
Db 2475 CCAAGCCATTACTCCCTGTGCTCACTGTTGTGACGTGACAGCCAGAGACAGGGTGTGG 2534
QY 55 Ser-----HisHis-----Trp-----Ile---Gln----- 60
Db 2535 TCTGTGTTAGTACACTACCCCTTTAGTGGCCCTTTGGGCTTGAGCACTGGCCAGGCTTAG 2594
QY 61 Glu---Ser-----LeuLeu-----Cys----- 65
Db 2595 GACTTATGTCTGCTTTTGTCTGCTAATCTTAAGTGCAGAGCCAGAGACAGGGTGTGG 2654
QY 66 -----ProPro---Ser-----Pro-----Lys 70
Db 2655 CTGACACCTCCGTGTTTCAGCTGTGTGAGTCCGACCAGCAGCTTCTCAGGGGACTAAA 2714
QY 71 -----GluVal-----Thr---Cys-----ArgGluMetLeuThr 79
Db 2715 TAATGACTAGTCATTTCAGAAAGTCCCTCATGCTGAATGTTAACCAAGG----- 2762
QY 80 GlyGlyCysLeuProTrp-----AlaThr----- 87
Db 2763 -----TGC---CCCTGGGGTGAATAGTTAGTCTCTGCAACCTCTGGGTTGGAAGGAAGT 2813
QY 88 -----Arg-----Ser---HisLeu---Gly-----ArgArg 94
Db 2814 GGACTACGGAAGCCATCTGTCCCTGGGAGCTTCCACCTCATGCCAGTGTTCAGAGA 2873
QY 95 LysCys---Ser 97
Db 2874 TCTTGTGGGAGC 2885

RESULT 6
US-09-439-672-3
; Sequence 3, Application US/09439672
; Patent No. 6423500
; GENERAL INFORMATION:
; APPLICANT: Moore, Kevin W.
; APPLICANT: Liu, Ying
; APPLICANT: Ho, Alice Suk-Yue
; APPLICANT: Hsu, Di-Hwei
; APPLICANT: Bazan, J. Fernando

Db 578 TCGTGTATTGAGCAACCAAGGATGCTAGATAGTCTTCTGGTACTTACATACATAATGT 637
QY 83 Leu-----Pro-Trp-----AlaThr-----Ar 88
Db 638 CTCCAATCATGTTTTCAGAGGTGGAAGTGAAGGCTAAGAACTTAAAGCGACTTGTCCAA 697
QY 88 gSerHis---LeuGly-----Arg-----Lys-- 95
Db 698 GTCACACAGCTCTTGGATGGTAAGGCTGGGACTTGGCCGAGGTCTGGAATGACTCCAATG 757
QY 96 ----CysSer 97
Db 758 CCTGTGCTCT 767
RESULT 10
US-07-925-695-4
; Sequence 4, Application US/07925695
; Patent No. 5428145
; GENERAL INFORMATION:
; APPLICANT: OKAMOTO, Hiroaki
; APPLICANT: NAKAMURA, Tetsuo
; TITLE OF INVENTION: NON-A, NON-B HEPATITIS VIRUS GENOME,
; TITLE OF INVENTION: POLYNUCLEOTIDES, POLYPEPTIDES, ANTIGEN, ANTIBODY AND
; TITLE OF INVENTION: DETECTION SYSTEMS
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Beveridge, DeGrandi, Weilacher & Young
; STREET: 1850 M Street, N.W., Suite 800
; CITY: Washington
; STATE: D.C.
; COUNTRY: US
; ZIP: 20036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/925,695
; FILING DATE: 19920807
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 287402/91
; FILING DATE: 09-AUG-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 360441/91
; FILING DATE: 05-DEC-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Weilacher, Robert G.
; REGISTRATION NUMBER: 20,531
; REFERENCE/DOCKET NUMBER: 06/87-48009
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 659-2811
; TELEFAX: (202) 659-1462
; TELEX: WUI 64470
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2693 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single
; TOPOLOGY: linear
US-07-925-695-4
Alignment Scores:
Pred. No.: 2.09e+04 Length: 2693
Score: 281.00 Matches: 64
Percent Similarity: 28.89% Conservative: 14
Best Local Similarity: 23.70% Mismatches: 13
Query Match: 52.82% Indels: 179
DB: 1 Gaps: 61
US-09-854-133-586 (1-97) x US-07-925-695-4 (1-2693)

QY 1 GluValGluValSer-----Arg-----His---AlaSer---Leu 11
Db 1807 AAA---AAGTAACTTTTATAGGATGCAAGCGCTCGACGCTCATTATGACTCAGTCTTG 1863
QY 12 GlyAsp-----SerGlu---Thr-----LeuSerGlnThr----- 20
Db 1864 AAGGACATTAAGCTAGCGGCTCCAGGTCAAGGCTCTC-----ACTTTAGAG 1917
QY 21 Glu-----Leu-----Arg-----Lys----- 25
Db 1918 GAGGCTGCCAGTTAACTCCACCCACTCTGCAAGATCCAAAGTATGGGTTGGGGCTAAG 1977
QY 26 Glu---Arg-----Lys-----Lys----- 30
Db 1978 GAGGTCCGACAGTTGTCCGGGAGAGCGGTTAACCATCAAGTCCGTGTGGAAGGACCTC 2037
QY 31 ArgGlu-----ArgLys-----Phe---Gln---Ala-----AsnCys----- 39
Db 2038 CTGGAAGACACACAAACACCAATTCCTACACCATCATGCGCCAAAATGAGGTGTTCTGC 2097
QY 40 -----GlyIle-----AspPheIle---Ile---Phe----- 46
Db 2098 GTGACCCCAAGGCGGTAAAGAAAGCAG---CTCGCCTTATCGTTTACCTGACCTC 2154
QY 47 -----Trp-----Ile-----Phe----- 49
Db 2155 GCGGTCAAGGTCTGCGAGAAATGGCCCTTTATGATATACACACAAAGCTTCTCAGGCG 2214
QY 50 ---Trp---IleLeu-----Leu-----PheSer--- 55
Db 2215 GTGATGGGGCTCTTATGATTCCAGTACTCCCGCTCAGCGGGTGGAGTTTCTCTTG 2274
QY 56 ---His-----His-----Trp-----Ile----- 59
Db 2275 AAGGCATGGGGGAAAGAAAGACCCCTATGGGTTTTCGTATGATACCCGATGCTTTGAC 2334
QY 60 -Gln-----Glu---Ser---Leu-----Leu-----Cys 65
Db 2335 TCAACCGTCACTGAGAGACATCAGGACTGAGGAGTCCATATATCGGGCTTGTCTTG 2394
QY 65 sPro-----ProSer---Pro-----LysGluValThr----- 73
Db 2395 CCCGAGGAGGCCACACTGCCATACACTCACTGACTGAGAGACTTACGTGGAGGGCCC 2454
QY 74 -Cys-----Arg---GluMetLeu---ThrGly-----GlyCysLe 83
Db 2455 ATGTTCAACAGCAAGGCGCAGACCTGCGGTACAGCGGTTGCCCGCCAGCGGGTGCTT 2514
QY 83 uPro-----TrpAlaThrArgSerHis-----Le 91
Db 2515 ACCACTAGCATGGGAAACACCATCATGCTATGTAAAGCCTTAGCGGCCTGTAAGGCT 2574
QY 91 u---Gly-----Arg---ArgLysCys 96
Db 2575 GCAGGGATAATTGCCCCACAA---TGC 2599
RESULT 11
US-09-018-628-17/c
; Sequence 17, Application US/09018628
; Patent No. 5917019
; GENERAL INFORMATION:
; APPLICANT: de Lange, Titia
; APPLICANT: van Steensel, Bas
; APPLICANT: Bianchi, Alessandro
; TITLE OF INVENTION: AN ALTERED TELOMERE REPEAT BINDING
; TITLE OF INVENTION: FACTOR AND THERAPEUTIC USE THEREOF
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: David A. Jackson, Esq.
; STREET: 411 Hackensack Ave, Continental Plaza, 4th
; STREET: Floor
; CITY: Hackensack
; STATE: New Jersey


```

; TELEPHONE: 201-487-5800
; TELEFAX: 201-343-1684
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2907 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
US-09-273-378-17

Alignment Scores:
Pred. No.: 3.14e+04 Length: 2907
Score: 279.50 Matches: 72
Best Local Similarity: 24.57% Mismatches: 6
Query Match: 20.57% Indels: 258
DB: 52.54% Gaps: 53

US-09-854-133-586 (1-97) x US-09-273-378-17 (1-2907)

QY 1 GluValGlu-----ValSerArgAspHisAla---SerLeu-----Gly---AspSer 14
Db 1798 GAGACGGAGGTCGCAGTGAGCCGAGATCAGCCACTGCACCTCAGCCCTGGGTGACAGAGC 1739

QY 15 GluThrLeuSerGlnThrGluLeuArgLysLysGluArgLysLysArgGluArg--- 33
Db 1738 GAGACTCTGTCTCAA-----AAAAA-----AAAAAGAAAAGAAAGAGCA 1691

QY 33 ----- 33

Db 1690 GACTATCAGGGGCTATTATTAGGAACCATGCTCCTGTGAATTCTGTGGAATGAAAGCCT 1631

QY 34 -----Lys---PheGln-----Ala-----Asn-----Cys 39
Db 1630 GTTTCAGTTTCATGCCAAGTCTTTTCATGGTCCGCCAGGATCCTTAATCATCACAGCTGT 1571

QY 40 -----Gly-----Ile----- 41
Db 1570 TCGGTTAACAAATGGGTAATTTTAGAAATGGCAGCCAGTTCTCTTCCCATATTTCTG 1511

QY 42 -----Asp-----Phe-----IleIlePhe---TrpIle 48
Db 1510 CACTCCAGCCTTGACCCACTCGCTTTCTTCTACAGTCCACTTCTGCTTTTGTATATT 1451

QY 49 -----Phe---Trp-----Ile---Leu-----LeuPheSerHis 56
Db 1450 GGTGTACTGTCTTCATCTGTGCTGCCTGAACTTGAAACAGTTTCCTCTTC---CAC 1394

QY 57 -----His----- 57
Db 1393 CCAAGTCTCCTTTTCTTCAACCCCATTAGAGCTGTTCCTACTGCTTGGGTACTTTGGG 1334

QY 58 -----Trp-----Ile----- 59
Db 1333 ATTCTTCTCTCCAGGGAGGGTTGGTTGAGAACGGTGGGCTTGGATGGTGGCGCTGAAGC 1274

QY 60 -----GlnGlu-----Ser-- 62
Db 1273 GGCCTCCTGGGAGGAGTTGAGCCCTGCGCTGGGCTCAGTACTGCTGGCTGCTCTCTCCCAA 1214

QY 63 -----Leu---Leu---Cys-----ProProSerPr 69
Db 1213 GACCAATCTGCTTATTGTCATGGCTTGTCTTGGGCTGCAGTTCGAGCCACCTCACC 1154

QY 69 oLys-----Glu----- 71
Db 1153 GTCAGCCGGGCTGAACCTTTCATCTTTTCTGGGCTCTTGTGTTTGTGGGCTGG 1094

QY 72 -----Val-----Thr----- 73
Db 1093 TGATGCTGGGAGAGCTTGAGTAGGAAGAACCATGATCCTTCTGGTCCAGTTTTCGAAAGGC 1034
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```

QY 74 -----Cys-----Arg-----Glu----- 76
Db 1033 TGCCTCAGAATCCTGTGTCACACAGAGAGTCTTGAAGTGTCTTTCAGAGTCATCATTC 974

QY 77 -Met-----Leu-----Thr-- 79
Db 973 AATGGTGGTTGGAGGATTCCTAGCTGCCTTGGGGTTCTCTGGGTGGCTTTTCCACAGG 914

QY 80 ---Gly---GlyCysLeu-----Pro---Trp---Ala---Thr---Ar 88
Db 913 CCCTGGTGTGGCTGTTTATCTCTTCCCTGTACTTGAGGCAGCGGACTCAGATTTCAA 854

QY 88 gSerHisLeu-----Gly-----Arg-----ArgLy 95
Db 853 AGCCTTTTGGCCATCGTGAGGAGGTAGGGCTCGGCGTTCATCCAGGTGGCTCTCCAGGAA 794

QY 95 s-----Cys-----Ser 97
Db 793 GCGCAGCATCTTCTGCTGGAAGGTCTCA 766

RESULT 13
US-09-018-635-26/c
; Sequence 26, Application US/09018635
; Patent No. 6297356
; GENERAL INFORMATION:
; APPLICANT: de Lange, Titia
; APPLICANT: Broccoli, Dominique
; APPLICANT: Smogorzewska, Agata
; TITLE OF INVENTION: TELOMERE REPEAT BINDING FACTOR AND
; TITLE OF INVENTION: DIAGNOSTIC AND THERAPEUTIC USE THEREOF
; NUMBER OF SEQUENCES: 52
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: KLAUBER & JACKSON
; STREET: 411 Hackensack Avenue
; CITY: Hackensack
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 07601
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/018,635
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: David A. Jackson
; REGISTRATION NUMBER: 26,742
; REFERENCE/DOCKET NUMBER: 600-1-142 CIP1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-487-5800
; TELEFAX: 201-343-1684
; TELEX: 133521
; INFORMATION FOR SEQ ID NO: 26:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2907 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; DESCRIPTION: TRF2
; HYPOTHETICAL: NO
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; US-09-018-635-26

Alignment Scores:
Pred. No.: 3.14e+04 Length: 2907
Score: 279.50 Matches: 72
Percent Similarity: 24.57% Conservative: 14
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Best Local Similarity:	20.57%	Mismatches:	6
Query Match:	52.54%	Indels:	258
DB:	4	Gaps:	53

US-09-854-133-586 (1-97) x US-09-018-635-26 (1-2907)

QY	1	GluValGlu-----ValSerArgAspHisAla---SerLeu-----Gly---AspSer	14
Db	1798	GAGACGGAGGTTCGCAGTGGCCGAGATCACGCCACTGCACCTCAGCCTGGGTGACAGAGC	1739
QY	15	GluThrLeuSerGlnThrGluLeuArgLysLysGluArgLysLysLysArgGluArg--	33
Db	1738	GAGACTCTGTCTCAA-----AAAAA-----AAAAA-----AAAAAAGAAAGAACAGCA	1691
QY	33	-----	33
Db	1690	GACTATCAGGGGCTATTATTAGGAACCATGCTCCTGTGAATTCTGTGGAATGAAAGCCT	1631
QY	34	-----Lys---PheGln-----Ala-----Asn-----Cys	39
Db	1630	GTTCAGTTTCATGCCAAGTCTTTTCATGGTCCGCCAGCGATCCTTAATCATCACAGTGCT	1571
QY	40	-----Gly-----Ile-----	41
Db	1570	TCGGTTAACAAATGGGTAATTTTAGAAAATGGCAGCCCCAGTTTCCTTCCCCATAATTCTG	1511
QY	42	-----Asp-----Phe-----IleIlePhe---TrpIle	48
Db	1510	CACGCCAGCCTTGACCCACTCGCTTTCTTCTACAGTCCACTTCTGCTTTTTTGTATATAT	1451
QY	49	-----Phe---Trp-----Ile---Leu-----LeuPheSerHis	56
Db	1450	GGTTGTACTGTCTTCATCTGGTGTGCCTGAACTTGAACAGATTATCCTCTCTC---CAC	1394
QY	57	-----His-----	57
Db	1393	CCAAGTCTCCTTTTCTTCAACCCCATTAGAGCTGTTCACACTTGCTTTGGGTACTTTGGG	1334
QY	58	-----Trp-----Ile-----	59
Db	1333	ATTCTTCTCTCCAGGAGGGTGGTTGAGAACGGTGGGCTGGATGGTGGCGCTGAAGC	1274
QY	60	-----GlnGlu-----Ser--	62
Db	1273	GGCCTCCTGGGAGGAGTTGAGGCCTCGCTGGGCTCAGTACTCTGGCTGTCTCTCTCCAA	1214
QY	63	-----Leu---Leu---Cys-----ProProSerPr	69
Db	1213	GACCAATCTGCTTATTGTTCATGCGCTTGTCTTGGGCTGCAGTTCGAGCCACCTCACC	1154
QY	69	Olys-----Glu-----	71
Db	1153	GTCAGCCGGGCTGAACCTTCGTTTTCATCTTTCTGGGTCTCTTGTTTTGAGGCTGG	1094
QY	72	-----Val-----Thr-----	73
Db	1093	TGATGCTGGGAGAGCTTCAGTAGGAAGAACAGATCCTTCTGGTCCAGTTTTCGAAAGGC	1034
QY	74	-----Cys-----Arg-----Glu-----	76
Db	1033	TGCCTCAGAATCCTGTGCACAGACAGAGTCTTGAAGAGTGTCTTTCAGAGTCAATCCTCC	974
QY	77	-Met-----Leu-----Thr--	79
Db	973	AATGGTGGTTGGAGGATTCCGTAGCTGCCTTGCGGGTTCCTCTGGGTGGCTTTTCCACAGG	914
QY	80	----Gly---GlyCysLeu-----Pro---Trp-----Ala---Thr-----Ar	88
Db	913	CCCTGGTGTGGCTGTTTATCTTCCTTCCCTGTACTTCAGGCAGCGGACTCAGATTCAA	854
QY	88	gSerHisLeu-----Gly-----Arg-----ArgLy	95
Db	853	AGCCTTTTGGCCATCGTCAGGAGGTAGGGCTCGGGCTCATCCAGGTGGCTCTCCAGGAA	794

Qy 95 s-----Cys-----Ser 97
Db 793 GCGCAGCATCTTCTGCTGGAAGGTCTCA 766

RESULT 14

US-09-467-642-3/c
; Sequence 3, Application US/09467642
; Patent No. 6300132
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Lex M. Cowser
; TITLE OF INVENTION: ANTISENSE MODULATION
; FILE REFERENCE: RTS-0106
; CURRENT APPLICATION NUMBER: US/09/467,642
; CURRENT FILING DATE: 1999-12-20
; NUMBER OF SEQ ID NOS: 89

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/ SEQ ID NO 3
/ LENGTH: 2907
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE:
/   NAME/KEY: CDS
/   LOCATION: (125)..(1627)
/   NAME/KEY: unsure
/   LOCATION: 1894
/   OTHER INFORMATION: unknown
/   NAME/KEY: unsure
/   LOCATION: 1990
/   OTHER INFORMATION: unknown
/   NAME/KEY: unsure
/   LOCATION: 2388
/   OTHER INFORMATION: unknown
/   NAME/KEY: unsure
/   LOCATION: 2506
/   OTHER INFORMATION: unknown
/   NAME/KEY: unsure
/   LOCATION: 2509
/   OTHER INFORMATION: unknown
/   US-09-467-642-3

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Alignment Scores:		
Pred. No.:	3.14e+04	2907
Score:	279.50	72
Percent Similarity:	24.57%	14
Best Local Similarity:	20.57%	6
Query Match:	52.54%	258
DB:	4	53
	Length:	
	Matches:	
	Conservative:	
	Mismatches:	
	Indels:	
	Gaps:	

US-09-854-133-586 (1-97) x US-09-467-642-3 (1-2907)

QY	1	GluValGlu-----ValSerArgAspHisAla---SerLeu-----Gly---	AspSer	14
Db	1798	GAGACGGAGTGCAGTGAGCCGAGATCACGCCACTGCACCTCCAGCTCGGTGACAGAGC		1739
QY	15	GluThrLeuSerGlnThrGluLeuArgLysLysLysGluArgLysLysLysArgGluArg---		33
Db	1738	GAGACTCTGTCTCAA-----AAAAAAAAAA--AAAAAGAAAAAAGAAAAGAGCA		1691
QY	33	-----		33
Db	1690	GACTATCAGGGGCTATTATTAGGAACCATGCTCTGTGAAATTCGTGAAATGAAAGCCT		1631
QY	34	-----Lys---PheGln-----Ala-----Asn-----Cys		39
Db	1630	GT TTCAGTTTCATGCCAAGTC TTTTCATGTGTCGCCAGCGATCCTTAATCATCATCAGCTGT		1571
QY	40	-----Ile-----Gly-----Ile-----		41
Db	1570	TCGGTTAACAAATGGGTAATTTTTAGAAATGGCAGCCAGTTCCTTCCCATAATTTCTG		1511
QY	42	-----Asp-----Phe-----IleIlePhe---TrpIle		48

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Db 1510 CACTCCAGCCTTGACCCACTCGCTTCTCTACAGTCCACTTCTGCTTTTGTATATT 1451
QY 49 -----Phe---Trp-----Ile---Leu-----LeuPheSerHis 56
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1450 GGTGTACTGTCTTCATCTGGTGTGCTGCAACTTGAAACAGTTTCATCTCTTC---CAC 1394
QY 57 -----His-----His-----His-----His-----His 57
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1393 CCAAGTCTCCTTTCTTCAACCCCATAGAGCTGTTCACACTTGCCTTTGGGTACTTTGGG 1334
QY 58 -----Trp-----Ile-----Ile-----Ile-----Ile----- 59
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1333 ATTCTTCTCTCCAGGAGGGTGTGGTTGAGAACGGTGGGCTTGGATGGTGGCTGAAGC 1274
QY 60 -----GlnGlu-----Ser--- 62
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1273 GGCCTCTGGGAGGAGTTGAGGCCTGGCTGGGCTCAGTACTCTGGCTCTCTCTCCAA 1214
QY 63 -----Leu---Leu---Cys-----ProProSerPr 69
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1213 GACCAATCTGTTATTGTATGCTGCTTGTCTTGGCTGCAGTTCGGAGCCACCTCACC 1154
QY 69 oLys-----Glu----- 71
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1153 GTCAGCGGGCTGAACCTTTCGTTTTCATCTTTCTGGGTCCTTGTGTTTGTAGGGCTGG 1094
QY 72 -----Val-----Thr----- 73
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1093 TGATGCTGGGAGAGCTTGAGTAGGAAGAACAGATCCTTCTGGTCCAGTTTGTCAAAGGC 1034
QY 74 -----Cys-----Arg-----Glu----- 76
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1033 TGCCTCAGAACTCTGTGCACACAGAGTCTTTGAAAGCTGCTTTCAGAGTCAATCAATCC 974
QY 77 -Met-----Leu-----Thr--- 79
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 973 AATGGTGGTTGAGGATTCGGTAGTGCCTTGGGGTTCTCTGGGTGGCTTTTCCACAGG 914
QY 80 -----GlyCysLeu-----Pro---Trp-----Ala---Thr-----Ar 88
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 913 CCTGGTGTGGCTGTTTATCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 854
QY 88 gSerHisLeu-----Gly-----Arg----- 95
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 853 AGCCTTTTGGCCATCGTGAGGAGGTAGGGCTCGGCGTCTATCCAGGTGGCTCTCCAGAA 794
QY 95 s-----Cys-----Ser 97
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Db 793 GCGCAGCATCTTCTGCTGGAAGGTCTCA 766
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RESULT 15
US-09-041-886-24/c
; Sequence 24, Application US/09041886
; Patent No. 6235872
; GENERAL INFORMATION:
; APPLICANT: Bredesen, Dale E.
; APPLICANT: Rabizadeh, Sharroz
; TITLE OF INVENTION: Proapoptotic Peptides, Dependence
; TITLE OF INVENTION: Polypeptides and Methods of Use
; NUMBER OF SEQUENCES: 72
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Campbell & Flores LLP
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
; COUNTRY: United States
; ZIP: 92122
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
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; APPLICATION NUMBER: US/09/041,886
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Campbell, Cathryn A.
; REGISTRATION NUMBER: 31,815
; REFERENCE/DOCKET NUMBER: P-LJ 2626
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 535-9001
; TELEFAX: (619) 535-8949
; INFORMATION FOR SEQ ID NO: 24:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4608 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..4342
US-09-041-886-24

Alignment Scores:
Pred. No.: 1.67e+05 Length: 4608
Score: 279.50 Matches: 66
Percent Similarity: 25.00% Conservative: 18
Best Local Similarity: 19.64% Mismatches: 9
Query Match: 52.54% Indels: 243
DB: 4 Gaps: 71

US-09-854-133-586 (1-97) x US-09-041-886-24 (1-4608)
QY 1 Glu---Val---Glu---Val---SerArgAsp-----His-----Ala----- 9
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 2049 GAATAGGTACCAGAGGTGTGTGGCTC---CAGTGTTCATCTCACCCCTGCGGTCGT 1993
QY 10 -----Ser-----Leu---GlyAsp---SerGluThrLeu---Ser----- 18
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1992 CTTTCTGTGCGAATTTATAGCCGGTAATAATCC---ATTTGTGTTCCTGATGGAGG 1936
QY 19 ---Gln-----Thr-----Glu---LeuArg 23
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1935 AGGCAGCCAGCTAACTTTGATACTTCTTGAATTGACCACTTCCAGGAGACGTTCTGAGG 1876
QY 24 Lys---Lys---Glu---ArgLys---Lys-----LysArgGlu---Arg 33
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1875 CGGGGCACCTTGGCAGCTCAGAAAGTGTAACCACTGTTATATCATCAGTAGAGAGCCCGG 1816
QY 34 -----Lys-----PheGlnAla--- 37
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1815 ACCATAGCGATTATAAGCTAAGATAAGAACTAATATTCGGTGAATTTTTCAGGCCTTC 1756
QY 38 -----Asn-----CysGly----- 40
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1755 CAGTTTATAAGATAGTCCATCAACCTCTATATTCTGTCTTTCTCTGTGGACACCTCAGT 1696
QY 41 -----Ile-----AspPhe---Ile---Ile-----Phe----- 46
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1695 GCAGAACAACTCTGTAACCTTGGACTGGACCGTTGCATAGGAGGGGTTCCAGGTAAT 1636
QY 47 -----Trp-----IlePhe-----Trp----- 50
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1635 AAGAATTGAGGTAGGTGAGGTAGATACAGCTTGCAGGTTTCTACTGGCCCTGGAACCTG 1576
QY 51 -----Ile-----Leu-----Leu-----Phe--- 54
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1575 CAACTCAGGCTGTGTGGCCACCTTGTGGTTGAGAACTCTCTCCGGTCCCATTCATT 1516
QY 55 ---SerHis-----His-----TrpIleGln-----GluSer 62
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1515 GTAAGCCACAACACTCGAAAGGTGTACATGGCTTCTGGCTTTCAGGTTTCCACAGTGAG--- 1459
QY 63 Leu-----Leu-----Cys-----Pro----- 66
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Db 1458 CTGAAGGACCCAGGCTGTGTGATTCAATGCTGGTCCCTGTTGTACCTTCTCTGGA 1399
QY 67 -----Pro-----SerPro----- 69
Db 1398 GAAAAAGACCGTGAAGTTTGAATGTTCCCTTTCGCTTCTGCAGGTGGCGCCAGCTGAG 1339
QY 70 -----Lys-----Glu---Val----- 72
Db 1338 ACGGACAAATCGGCTGGAACCAAGACAGGACCAATCTCTGGGAGCCGAAGGGAGGAC 1279
QY 73 Thr-----Cys-----Arg-----GluMetLeu---ThrGly---Gly--- 81
Db 1278 ACTGGAGCTTGGGATTGCAGGCTTAGGACAATGAG---CTGTGCACTGGTCTGGGCATT 1222
QY 82 -----Leu-----Cys-----Pro--- 84
Db 1221 TCCAGCCTCATTTTCAGCCACACATTGATAAAAGCCTTTCATCTGACTTCACCAACCCCAAG 1162
QY 85 Trp-----Ala-----ThrArg-----Ser 89
Db 1161 TATCCGTAAGTGTCTTCTCCCACTATCTCAAAATAATCACTAGGAATGACCACATCTCC 1102
QY 90 -----His---Leu-----Gly---Arg-----ArgLysCysSer 97
Db 1101 ATTCTTCATCCAATTTCACAGTGGGCAAGGCTTTCAGAGACTGTACA 1054
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Job time : 49 secs

GenCore version 5.1.4.p5 4578
Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - nucleic search, using frame_plus_p2n model

Run on: May 11, 2003, 19:06:36 ; Search time 90 Seconds
(without alignments)
1339.360 Million cell updates/sec

Title: US-09-854-133-586

Perfect score: 532

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Ygapop 0.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delopt 6.0 , Delext 7.0

Searched: 783854 seqs, 621352466 residues

Total number of hits satisfying chosen parameters: 1556566

Minimum DB seq length: 0

Maximum DB seq length: 5000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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-THR MIN=0 -ALIGN=15 -MODE=LOCAL -OUTFMT=ptc -NORM=ext -HEAPSIZE=500 -MINLEN=0
-MAXLEN=5000 -USER=US09854133@cgn1_1_91@runat_05052003_174428_1338 -NCPU=6
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-DEV TIMEOUT=120 -WARN TIMEOUT=30 -THREADS=1 -XGAPOP=0 -XGAPEXT=0.5 -FGAPOP=6
-FGAPEXT=7 -YGAPOP=0 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

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7: /cgn2_6/ptodata/2/pubpna/US08_NEW_PUB.seq.*
8: /cgn2_6/ptodata/2/pubpna/US08_PUBCOMB.seq.*
9: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq.*
10: /cgn2_6/ptodata/2/pubpna/US09_PUBCOMB.seq.*
11: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq.*
12: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq.*
13: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq.*
14: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length DB	ID	Description
1	532	100.0	337	9	US-09-854-133-442
2	532	100.0	337	10	US-09-738-973-442
3	523	98.3	2239	9	US-09-854-133-440
4	523	98.3	2239	10	US-09-738-973-440

5	339.5	63.8	1861	9	US-10-163-866-30	Sequence 30, Appl
6	339.5	63.8	2482	9	US-10-163-866-29	Sequence 29, Appl
7	339	63.7	572	9	US-10-046-935-1307	Sequence 1307, Ap
8	339	63.7	572	9	US-09-878-178-1307	Sequence 1307, Ap
9	339	63.7	572	9	US-10-146-502-1307	Sequence 1307, Ap
10	298.5	56.1	1687	9	US-09-764-891-6421	Sequence 6421, Ap
11	298.5	56.1	1688	9	US-09-764-891-6422	Sequence 6422, Ap
12	296.5	55.7	2000	9	US-10-163-866-34	Sequence 34, Appl
13	292.5	55.0	3995	10	US-09-919-497-9	Sequence 9, Appli
14	287.5	54.0	2427	10	US-09-254-783A-2	Sequence 2, Appli
15	287.5	54.0	2427	12	US-10-152-058-2	Sequence 1176, Ap
16	284.5	53.5	3243	9	US-10-092-154-1176	Sequence 1176, Ap
17	284.5	53.5	3243	10	US-09-764-847-1176	Sequence 2937, Ap
18	283.5	53.3	3162	10	US-09-764-877-2937	Sequence 1, Appli
19	281.5	52.9	2203	9	US-10-224-562-1	Sequence 1, Appli
20	281.5	52.9	2203	10	US-09-801-861-1	Sequence 3, Appli
21	281.5	52.9	3308	9	US-10-147-026-3	Sequence 1754, Ap
22	281.5	52.9	4344	10	US-09-880-107-1754	Sequence 27, Appl
23	281.5	52.9	4168	12	US-10-042-417-27	Sequence 26, Appl
24	279.5	52.5	2907	10	US-09-912-962-26	Sequence 121, App
25	279.5	52.5	4870	12	US-10-044-090-121	Sequence 1138, Ap
26	279	52.4	3351	9	US-10-092-154-1138	Sequence 1138, Ap
27	279	52.4	3351	10	US-09-764-847-1138	Sequence 71, Appl
28	278.5	52.3	2281	9	US-10-071-766-71	Sequence 590, App
29	278.5	52.3	2395	9	US-10-152-661-590	Sequence 590, App
30	278.5	52.3	2395	9	US-09-866-050A-590	Sequence 1255, Ap
31	278	52.3	2495	9	US-10-031-504-1255	Sequence 1255, Ap
32	278	52.3	2495	10	US-09-764-869-1255	Sequence 1255, Ap
33	278	52.3	2994	10	US-09-728-628-9	Sequence 9, Appli
34	277.5	52.2	2507	10	US-09-925-301-397	Sequence 397, App
35	277.5	52.2	2808	10	US-09-880-107-3380	Sequence 3380, Ap
36	277	52.1	2969	9	US-09-954-531-179	Sequence 179, App
37	276.5	52.0	1611	9	US-10-124-986-2	Sequence 2, Appli
38	276.5	52.0	1611	10	US-09-981-649A-2	Sequence 1, Appli
39	276.5	52.0	2569	9	US-10-224-951-1	Sequence 3199, Ap
40	276.5	52.0	2853	10	US-09-764-877-3199	Sequence 3196, Ap
41	276.5	52.0	2872	10	US-09-764-877-3196	Sequence 138, App
42	276.5	52.0	2903	9	US-09-984-827-138	Sequence 359, App
43	276.5	52.0	4152	10	US-09-925-300-359	Sequence 1443, Ap
44	276.5	52.0	4766	9	US-09-764-868-1443	Sequence 1568, Ap
45	276	51.9	2018	9	US-10-091-504-1568	

ALIGNMENTS

RESULT 1
US-09-854-133-442
; Sequence 442, Application US/09854133
; Publication No. US20020183499A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Henderson, Robert A.
; APPLICANT: Benson, Darin R.
; APPLICANT: Secrist, Heather
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C10
; CURRENT APPLICATION NUMBER: US/09/854,133
; CURRENT FILING DATE: 2001-05-11
; NUMBER OF SEQ ID NOS: 735
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 442
; LENGTH: 337
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-854-133-442

Alignment Scores:
Pred. No.: 1.77e-06 Length: 337
Score: 532.00 Matches: 97
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0

Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0
US-09-854-133-586 (1-97) x US-09-854-133-442 (1-337)
Qy 1 GluValGluValSerArgAspHisAlaSerLeuGlyAspSerGluThrLeuSerGlnThr 20
Db 5 GAGGTTGAAGTGAGCAGAGATCATGCCAGCCTGGGTGACAGTGAGACTCTGTCTCAAAACA 64
Qy 21 GluLeuArgLysLysGluArgLysLysArgGluArgLysPheGlnAlaAsnCysGly 40
Db 65 GAATTAAGGAAAAAGAAAGAAAGAAAGAGAGAGAGGAAATTCAGGCCAATTGTGGC 124
Qy 41 IleAspPheIleIlePheTrpIlePheTrpIleLeuLeuPheSerHisHisTrpIleGln 60
Db 125 ATAGATTTTATCATATCTCGATTCTTTGGATTCTTTTGGATTCTTTCTCATCTGGATTTCAG 184
Qy 61 GluSerLeuLeuCysProProSerProLysGluValThrCysArgGluMetLeuThrGly 80
Db 185 GAAAGCCTGTTGTCTCCACCATCTCCAAAGGAGGTACCTGCAGGGAAATGTTAACGGGA 244
Qy 81 GlyCysLeuProTrpAlaThrArgSerHisLeuGlyArgArgLysCysSer 97
Db 245 GGCTGCCTTCCCTGGGCAACAAGAGGAGCCACCTGGGCGAGGAGAAAGTGCAGC 295

RESULT 2
US-09-738-973-442
; Sequence 442, Application US/09738973
; Patent No. US20020110563A1
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Fling, Steven P.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Algate, Paul A.
; APPLICANT: Secrist, Heather
; APPLICANT: Indirias, Carol Yoseph
; APPLICANT: Benson, Darin R.
; APPLICANT: Elliot, Mark
; APPLICANT: Mannion, Jane
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C9
; CURRENT APPLICATION NUMBER: US/09/738,973
; CURRENT FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 587
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 442
; LENGTH: 337
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-738-973-442

Alignment Scores:
Pred. No.: 1.77e-06 Length: 337
Score: 532.00 Matches: 97
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 10 Gaps: 0

US-09-854-133-586 (1-97) x US-09-738-973-442 (1-337)

Qy 1 GluValGluValSerArgAspHisAlaSerLeuGlyAspSerGluThrLeuSerGlnThr 20
Db 5 GAGGTTGAAGTGAGCAGAGATCATGCCAGCCTGGGTGACAGTGAGACTCTGTCTCAAAACA 64
Qy 21 GluLeuArgLysLysGluArgLysLysArgGluArgLysPheGlnAlaAsnCysGly 40
Db 65 GAATTAAGGAAAAAGAAAGAAAGAAAGAGAGAGGAGGAAATTCAGGCCAATTGTGGC 124

Qy 41 IleAspPheIleIlePheTrpIlePheTrpIleLeuLeuPheSerHisHisTrpIleGln 60
Db 125 ATAGATTTTATCATATCTCGATTCTTTGGATTCTTTTGGATTCTTTTCTCATCTGGATTTCAG 184
Qy 61 GluSerLeuLeuCysProProSerProLysGluValThrCysArgGluMetLeuThrGly 80
Db 185 GAAAGCCTGTTGTCTCCACCATCTCCAAAGGAGGTACCTGCAGGGAAATGTTAACGGGA 244
Qy 81 GlyCysLeuProTrpAlaThrArgSerHisLeuGlyArgArgLysCysSer 97
Db 245 GGCTGCCTTCCCTGGGCAACAAGAGGAGCCACCTGGGCGAGGAGAAAGTGCAGC 295
RESULT 3
US-09-854-133-440
; Sequence 440, Application US/09854133
; Publication No. US20020183499A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Henderson, Robert A.
; APPLICANT: Benson, Darin R.
; APPLICANT: Secrist, Heather
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C10
; CURRENT APPLICATION NUMBER: US/09/854,133
; CURRENT FILING DATE: 2001-05-11
; NUMBER OF SEQ ID NOS: 735
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 440
; LENGTH: 2239
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-854-133-440

Alignment Scores:
Pred. No.: 0.0022 Length: 2239
Score: 523.00 Matches: 97
Percent Similarity: 84.35% Conservative: 0
Best Local Similarity: 84.35% Mismatches: 0
Query Match: 98.31% Indels: 18
DB: 9 Gaps: 1

US-09-854-133-586 (1-97) x US-09-854-133-440 (1-2239)

Qy 1 GluValGluValSerArgAspHisAlaSerLeuGlyAspSerGluThrLeuSerGlnThr 20
Db 2 GAGGTTGAAGTGAGCAGAGATCATGCCAGCCTGGGTGACAGTGAGACTCTGTCTCAAAACA 61
Qy 21 GluLeuArgLysLysGluArgLysLysArgGluArgLysPheGlnAlaAsnCysGly 40
Db 62 GAATTAAGGAAAAAGAAAGAAAGAAAGAGAGAGGAGGAAATTCAGGCCAATTGTGGC 121
Qy 41 IleAspPheIleIlePheTrpIlePheTrpIleLeuLeuPheSerHisHisTrpIleGln 60
Db 122 ATAGATTTTATCATATCTCGATTCTTTGGATTCTTTTGGATTCTTTTCTCATCTGGATTTCAG 181
Qy 61 GluSerLeuLeuCysProProSerProLysGluValThrCysArgGluMetLeuThrGly 80
Db 182 GAAAGCCTGTTGTCTCCACCATCTCCAAAGGAGGTACCTGCAGGGAAATGTTAACGGGA 241
Qy 81 GlyCysLeuProTrpAlaThrArgSerHisLeuGlyArg----- 93
Db 242 GGCTGCCTTCCCTGGGCAACAAGAGGAGCCACCTGGGCGAGGAGCGCTTTTCAGGAAGAGACG 301
Qy 94 -----ArgLysCysSer 97
Db 302 CCTTTTCAGGAAGAGACGCTTTTTCAGGAAGAGAGAAAGTGCAGC 346

RESULT 4
US-09-738-973-440
; Sequence 440, Application US/09738973
; Patent No. US20020110563A1

GENERAL INFORMATION:
 APPLICANT: Reed, Steven G.
 APPLICANT: Henderson, Robert A.
 APPLICANT: Lodes, Michael J.
 APPLICANT: Fling, Steven P.
 APPLICANT: Mohamath, Raodoh
 APPLICANT: Algate, Paul A.
 APPLICANT: Secrist, Heather
 APPLICANT: Indrias, Carol Yoseph
 APPLICANT: Benson, Darin R.
 APPLICANT: Elliot, Mark
 APPLICANT: Mannion, Jane
 APPLICANT: Kalos, Michael D.
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
 THE THERAPY AND DIAGNOSIS OF LUNG CANCER
 FILE REFERENCE: 210121.475C9
 CURRENT APPLICATION NUMBER: US/09/738,973
 CURRENT FILING DATE: 2000-12-14
 NUMBER OF SEQ ID NOS: 587
 SOFTWARE: FastSeq for Windows Version 3.0
 SEQ ID NO 440
 LENGTH: 2239
 TYPE: DNA
 ORGANISM: Homo sapiens
 US-09-738-973-440

Alignment Scores:
 Pred. No.: 0.0022 Length: 2239
 Score: 523.00 Matches: 97
 Percent Similarity: 84.35% Conservative: 0
 Best Local Similarity: 84.35% Mismatches: 0
 Query Match: 98.31% Indels: 18
 DB: 10 Gaps: 1

US-09-854-133-586 (1-97) x US-09-738-973-440 (1-2239)

QY 1 GluValGluValSerArgAspHisAlaSerLeuGlyAspSerGluThrLeuSerGlnThr 20
 DB 2 GAGTTGAAGTGAAGCAAGATCATGCCAGCCCTGGTGACAGTGGAGACTCTGTCTCAACA 61
 QY 21 GluLeuArgLysLysGluArgLysLysLysArgGluArgLysPheGlnAlaAsnCysGly 40
 DB 62 GAATTAAGCAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAG 121
 QY 41 IleAspPheIlePheTrpIlePheTrpIleLeuLeuPheSerHisTrpIleGln 60
 DB 122 ATAGATTATCATATTCGATTTTGGATTTTGGATTTTGGATTTTGGATTTTGGATTT 181
 QY 61 GluSerLeuLeuCysProSerProLysGluValThrCysArgGluMetLeuThrGly 80
 DB 182 GAAAGCTGTGTGTCCACCATCTCCAAAGAGAGGTACCTGCAGGAAATGTTAAGGGA 241
 QY 81 GlyCysLeuProTrpAlaThrArgSerHisLeuGlyArg 93
 DB 242 GGCTGCTTCCCTGGCAAGCAAGAGAGCCACCTGGCAGGACGCTTTTCAGGAAGAGAG 301
 QY 94 -----ArgLysCysSer 97
 DB 302 CCTTTTCAGGAAGAGAGCGCTTTTCAGGAAGAGAGAAAGTGCAGC 346

RESULT 5
 US-10-163-866-30
 Sequence 30, Application US/10163866
 Publication No. US20030027188A1
 GENERAL INFORMATION:
 APPLICANT: EXELIXIS, INC.
 TITLE OF INVENTION: SLC7s AS MODIFIERS OF THE p53 PATHWAY AND METHODS OF USE
 FILE REFERENCE: EX02-080C
 CURRENT APPLICATION NUMBER: US/10/163,866
 CURRENT FILING DATE: 2002-06-05
 PRIOR APPLICATION NUMBER: US 60/296,076
 PRIOR FILING DATE: 2001-06-05
 PRIOR APPLICATION NUMBER: US 60/328,605

PRIOR FILING DATE: 2001-10-10
 PRIOR APPLICATION NUMBER: US 60/338,733
 PRIOR FILING DATE: 2001-10-22
 PRIOR APPLICATION NUMBER: US 60/357,253
 PRIOR FILING DATE: 2002-02-15
 PRIOR APPLICATION NUMBER: US 60/357,600
 NUMBER OF SEQ ID NOS: 54
 SOFTWARE: PatentIn version 3.1
 SEQ ID NO 30
 LENGTH: 1861
 TYPE: DNA
 ORGANISM: Homo sapiens
 US-10-163-866-30

Alignment Scores:
 Pred. No.: 355 Length: 1861
 Score: 339.50 Matches: 62
 Percent Similarity: 57.25% Conservative: 13
 Best Local Similarity: 47.33% Mismatches: 7
 Query Match: 63.82% Indels: 49
 DB: 9 Gaps: 28

US-09-854-133-586 (1-97) x US-10-163-866-30 (1-1861)

QY 1 GluValGluValSerArg---AspHis---Ala-----Ser-----Leu 11
 DB 6 GAG---GAGGTGGAGAAATTCAGAGCAGCAGATGATACACAGGTGTTCTGAGTAGTAATTA 62
 QY 12 GlyAsp---SerGlu-----Thr---LeuSer---Gln-----ThrGluLeu--- 22
 DB 63 ---GATCGCTGTGAAGGAAAGAAAGCAACCTTTGAGTTTTCACCTGTGAACA---CTATAG 116
 QY 23 Arg-----LysLys---Glu---Arg---Lys---LysLys-----ArgGluArg 33
 DB 117 CGCTGAGAGAGACAGTCTGAAAGCAGAGGAGAGACATCGATCAGTAACACCAAGAGACACC 176
 QY 34 LysPheGlnAlaAsnCysGlyIleAsp---PheIleIlePheTrp-----Ile---Phe 49
 DB 177 AAA-----GTTGAAAGTTT---GTTTCTTCCCTCTGTTTATT 215
 QY 50 Trp-----Ile---LeuLeuPheSerHisHisTrpIleGlnGluSerLeuLeuCysPro 66
 DB 216 TCCCCCGTGTGTCCCTACTA-----TGG---TCAGAAAGCCTGTTGTGTCCA 260
 QY 67 ProSerProLysGluValThrCysArgGluMetLeuThrGlyGlyCysLeuProTrpAla 86
 DB 261 CCATCTCCAAAGAGAGTTACCTGCAGGAAATGTTAAGCGGAGGCTGCTTCCCTGGGCA 320
 QY 87 ThrArgSerHisLeuGlyArgArgLysCysSer 97
 DB 321 ACAAGGAGCCACCTGGGCGAGAGAAAGTGCAGC 353

RESULT 6
 US-10-163-866-29
 Sequence 29, Application US/10163866
 Publication No. US20030027188A1
 GENERAL INFORMATION:
 APPLICANT: EXELIXIS, INC.
 TITLE OF INVENTION: SLC7s AS MODIFIERS OF THE p53 PATHWAY AND METHODS OF USE
 FILE REFERENCE: EX02-080C
 CURRENT APPLICATION NUMBER: US/10/163,866
 CURRENT FILING DATE: 2002-06-05
 PRIOR APPLICATION NUMBER: US 60/296,076
 PRIOR FILING DATE: 2001-06-05
 PRIOR APPLICATION NUMBER: US 60/328,605
 PRIOR FILING DATE: 2001-10-10
 PRIOR APPLICATION NUMBER: US 60/338,733
 PRIOR FILING DATE: 2001-10-22
 PRIOR APPLICATION NUMBER: US 60/357,253
 PRIOR FILING DATE: 2002-02-15
 PRIOR APPLICATION NUMBER: US 60/357,600
 PRIOR FILING DATE: 2002-02-15

US-09-854-133-586 (1-97) x US-09-878-178-1307 (1-572)

QY 1 GluValGluValSerArg---AspHis---Ala-----Ser-----Leu 11
 Db 22 GAGGTGGAG-----AATTGAGAGACGATGCATACACAGGTGTTTCTGAGTAGTAATTA 75
 QY 12 GlyAsp---SerGlu-----Thr---LeuSer---Gln-----ThrGluLeu--- 22
 Db 76 ---GATCGCTGTGAAGGAAAGACACCTTTTGAGTTTTCACCTGTGAACA---CTATAG 129
 QY 23 Arg-----LysLys---Glu---Arg---Lys---LysLys-----ArgGluArg 33
 Db 130 CGCTGAGAGACAGAGTCTGAAAGCGAGGAAGACATCGATCAGTAACACCAAGAGACACC 189
 QY 34 LysPheGlnAlaAsnCysGlyIleAsp---PheIleIlePheTrp---Ile---Phe 49
 Db 190 AAA-----GTTGAAAGTTT---GTTTCTCTCTCTCTCTCTCTCTCTCTCTCT 228
 QY 50 Trp-----Ile---LeuLeuPheSerHisHisTrpIleGlnGluSerLeuLeuCysPro 66
 Db 229 TTCCCCCGTGTGTCTCCCTACTA-----TGG---TCAGAAAGCCTGTTGTGTCCA 273
 QY 67 ProSerProLysGluValThrCysArgGluMetLeuThrGlyGlyCysLeuProTrpAla 86
 Db 274 CCATCTCCAAAGAGAGGTTACCTGCAGGAAATGTTAACGGGAGGCTGCCTTCCCTGGGCA 333
 QY 87 ThrArgSerHisLeuGlyArgArgLysCysSer 97
 Db 334 ACAAGGAGCCACCTGGGCGAGGAGAAAGTGCAGC 366

RESULT 9
 US-10-146-502-1307
 ; Sequence 1307, Application US/10146502
 ; Publication No. US20030069180A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Jiang, Yuqiu
 ; APPLICANT: Harlocker, Susan L.
 ; APPLICANT: Secrist, Heather
 ; APPLICANT: Wang, Aijun
 ; APPLICANT: Stolk, John A.
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
 ; FILE REFERENCE: 210121.527C2
 ; CURRENT APPLICATION NUMBER: US/10/146,502
 ; CURRENT FILING DATE: 2002-05-14
 ; NUMBER OF SEQ ID NOS: 2241
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 1307
 ; LENGTH: 572
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; LOCATION: 9, 19, 461, 497, 500, 502
 ; OTHER INFORMATION: n = A,T,C or G
 US-10-146-502-1307

Alignment Scores:
 Pred. No.: 6.37 Length: 572
 Score: 339.00 Matches: 62
 Percent Similarity: 57.25% Conservative: 13
 Best Local Similarity: 47.33% Mismatches: 6
 Query Match: 63.72% Indels: 50
 DB: 9 Gaps: 28

US-09-854-133-586 (1-97) x US-10-146-502-1307 (1-572)
 QY 1 GluValGluValSerArg---AspHis---Ala-----Ser-----Leu 11
 Db 22 GAGGTGGAG-----AATTGAGAGACGATGCATACACAGGTGTTTCTGAGTAGTAATTA 75
 QY 12 GlyAsp---SerGlu-----Thr---LeuSer---Gln-----ThrGluLeu--- 22
 Db 76 ---GATCGCTGTGAAGGAAAGACACCTTTTGAGTTTTCACCTGTGAACA---CTATAG 129

QY 23 Arg-----LysLys---Glu---Arg---Lys---LysLys-----ArgGluArg 33
 Db 130 CGCTGAGAGACAGAGTCTGAAAGCGAGGAAGACATCGATCAGTAACACCAAGAGACACC 189
 QY 34 LysPheGlnAlaAsnCysGlyIleAsp---PheIleIlePheTrp---Ile---Phe 49
 Db 190 AAA-----GTTGAAAGTTT---GTTTCTCTCTCTCTCTCTCTCTCTCTCTCT 228
 QY 50 Trp-----Ile---LeuLeuPheSerHisHisTrpIleGlnGluSerLeuLeuCysPro 66
 Db 229 TTCCCCCGTGTGTCTCCCTACTA-----TGG---TCAGAAAGCCTGTTGTGTCCA 273
 QY 67 ProSerProLysGluValThrCysArgGluMetLeuThrGlyGlyCysLeuProTrpAla 86
 Db 274 CCATCTCCAAAGAGAGGTTACCTGCAGGAAATGTTAACGGGAGGCTGCCTTCCCTGGGCA 333
 QY 87 ThrArgSerHisLeuGlyArgArgLysCysSer 97
 Db 334 ACAAGGAGCCACCTGGGCGAGGAGAAAGTGCAGC 366

RESULT 10
 US-09-764-891-6421
 ; Sequence 6421, Application US/09764891
 ; Publication No. US20030077808A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Rosen et al.
 ; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
 ; FILE REFERENCE: PC006
 ; CURRENT APPLICATION NUMBER: US/09/764,891
 ; CURRENT FILING DATE: 2001-01-17
 ; Prior application data removed - consult PALM or file wrapper
 ; NUMBER OF SEQ ID NOS: 10231
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 6421
 ; LENGTH: 1687
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-09-764-891-6421

Alignment Scores:
 Pred. No.: 4.25e+03 Length: 1687
 Score: 298.50 Matches: 58
 Percent Similarity: 39.78% Conservative: 16
 Best Local Similarity: 31.18% Mismatches: 10
 Query Match: 56.11% Indels: 102
 DB: 9 Gaps: 38

US-09-854-133-586 (1-97) x US-09-764-891-6421 (1-1687)
 QY 1 GluValGlu-----ValSerArgAspHisAla---SerLeu-----Gly---AspSer 14
 Db 633 GAGGTAGAGGTTGCGAGTGCAGTGCAGATCACGCCACTGCCTTCAGCCCTGGGTGACAGAGC 692
 QY 15 GluThrLeuSerGlnThrGluLeuArgLysLysGlu-----ArgLys-----Lys 29
 Db 693 AAGACTTGTCTCAA-----AAAAAAAAGACCTACTCTATAGAAAGCAATTTCAG 743
 QY 30 LysArg---GluArgLysPheGlnAlaAsn-Cys-----Gly----- 40
 Db 744 AAAAGAGTAAAC---AACTATATG---AATATGTTAGTTTCAGTAGTAATCAGGACAGTG 797
 QY 41 ----Ile-----AspPheIleIle-----PheTrp-----IlePh 49
 Db 798 CAAATCAATAACAGTGAGAT---CAAGTGTCTCTTATTGTGTAATAAATTAACCTTTT 854
 QY 49 eTrpIleLeuLeu-----PheSer-----His---HisTrp-----IleGl 60
 Db 855 TTTTCTCTTTTGGAGATGCCTTCTCACTTGTGACCCAGGTTGGAGTGCAGTGGTGCA 914
 QY 60 nGluSer---LeuLeu-----CysProProSer--- 68
 Db 915 A---TCTGGCTCATTCGAACCTCTGCCTCCAGGCTCAATCAGTCTGCCACCTCAGCC 971


```
QY 69 -ProLys-----GluVal-----Thr-----Cys----- 74
|||
Db 972 TCCCAAGTAGCTGTGACTACAGGTCCTCCACCACCGCTGGCTAATTTCTTGCATTT 1031

QY 75 -----ArgGluMetLeuThrGly-----GlyCysLeuPro---TrpAla---Thr-- 87
|||
Db 1032 TGATAGAGAT-----GGAGTTTCGCCAGGTTGC---CCAAAGCTGGTCTCAAACCTCC 1079

QY 88 -----Arg-----Ser-----HisLeuGly-----ArgArg----- 94
|||
Db 1080 TGAGCTCAAGCAATCCGCCACCTTGGCCTCCCAAAGTACTGGGCTTACAGGCGTGAGCC 1139

QY 95 -----Lys 95
|||
Db 1140 ACCGGACCCAGCAAAA 1155

RESULT 11
US-09-764-891-6422
; Sequence 6422, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; CURRENT APPLICATION NUMBER: US/09/764,891
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6422
; LENGTH: 1688
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-891-6422

Alignment Scores:
Pred. No.: 4.26e+03 Length: 1688
Score: 298.50 Matches: 58
Percent Similarity: 39.78% Conservative: 16
Best Local Similarity: 31.18% Mismatches: 10
Query Match: 56.11% Indels: 102
DB: 9 Gaps: 38

US-09-854-133-586 (1-97) x US-09-764-891-6422 (1-1688)

QY 1 GluValGlu-----ValSerArgAspHisAla-----SerLeu-----Gly---AspSer 14
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Db 634 GAGGTGGAGTTTGAGTGAGTCGAGATCAGCAGCCACTGCACCTTCAGCCTGGTGACAGAGC 693

QY 15 GluThrLeuSerGlnThrGluLeuArgLysLysGlu-----ArgLys-----Lys 29
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Db 694 AAGACTTTGTCTCAA-----AAAAAAGACCTACTCTATAGGAAGCAATTCAG 744

QY 30 LysArg-----GluArgLysPheGlnAlaAsn-Cys-----Gly----- 40
|||
Db 745 AAAAGAGTAAAC---AACTATATG---AATATGTTAGTTTCAGTAGTAATCAGGACAGTG 798

QY 41 -----Ile-----AspPheIleIle-----PheTrp-----IlePh 49
|||
Db 799 CAAAATCAAATAACAGTGAGAT---CAAGTGCTCTCCTATTGTTGTAATAAATTAACACTTT 855

QY 49 eTrpIleLeuLeu-----PheSer-----His---HisTrp-----IleGl 60
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Db 856 TTTTCTCTTTTGGAGATGCCTTCTCACTTGTGTACCCAGGTTGGAGTGAGTGAGTGA 915

QY 60 nGluSer---LeuLeu-----CysProSer-- 68
|||
Db 916 A---TCTGCGCTCATTGCAACCTCTGCTCCAGGCTCAATCAGTCTGCCACCTCAGCC 972

QY 69 -ProLys-----GluVal-----Thr-----Cys----- 74
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Db 973 TCCCAAGTAGCTGTGACTACAGGTCCTCCACCACCGCTGGCTAATTTCTTGCATTT 1032
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QY 75 -----ArgGluMetLeuThrGly-----GlyCysLeuPro---TrpAla---Thr-- 87
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Db 1033 TGATAGAGAT-----GGAGTTTCGCCAGGTTGC---CCAAAGCTGGTCTCAAACCTCC 1080

QY 88 -----Arg-----Ser-----HisLeuGly-----ArgArg----- 94
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Db 1081 TGAGCTCAAGCAATCCGCCACCTTGGCCTCCCAAAGTACTGGGCTTACAGGCGTGAGCC 1140

QY 95 -----Lys 95
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Db 1141 ACCGGACCCAGCAAAA 1156

RESULT 12
US-10-163-866-34
; Sequence 34, Application US/10163866
; Publication No. US20030027188A1
; GENERAL INFORMATION:
; APPLICANT: EXELIXIS, INC.
; TITLE OF INVENTION: SLC7s AS MODIFIERS OF THE p53 PATHWAY AND METHODS OF USE
; FILE REFERENCE: EX02-080C
; CURRENT APPLICATION NUMBER: US/10/163,866
; CURRENT FILING DATE: 2002-06-05
; PRIOR APPLICATION NUMBER: US 60/296,076
; PRIOR FILING DATE: 2001-06-05
; PRIOR APPLICATION NUMBER: US 60/328,605
; PRIOR FILING DATE: 2001-10-10
; PRIOR APPLICATION NUMBER: US 60/338,733
; PRIOR FILING DATE: 2001-10-22
; PRIOR APPLICATION NUMBER: US 60/357,253
; PRIOR FILING DATE: 2002-02-15
; PRIOR APPLICATION NUMBER: US 60/357,600
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 34
; LENGTH: 2000
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-163-866-34

Alignment Scores:
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Score: 296.50 Matches: 57
Percent Similarity: 58.88% Conservative: 6
Best Local Similarity: 53.27% Mismatches: 10
Query Match: 55.73% Indels: 34
DB: 9 Gaps: 19

US-09-854-133-586 (1-97) x US-10-163-866-34 (1-2000)

QY 2 ValGlu---ValSerArgAspHisAlaSerLeuGlyAspSerGluThrLeu---SerGln 19
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Db 4 GTGAACACTATA-----GCG---CTG-----AGAGAGACAGTCTGAAAGCAG 42

QY 20 ThrGluLeuArgLys---Lys---GluArgLysLysLysArg---GluArg---LysPhe 35
|||
Db 43 -----AGGAAGACATCGATCAGT---AACACCAAGAGACACCAAGTTGAAAGTTT 90

QY 36 GlnAlaAsnCysGlyIleAspPheIle---Ile---PheTrpIlePhe-----TrpIle 51
|||
Db 91 -----TGT-----TTTCTTCCCTCTGTTTT---ATTTTCCCCCGTGTGTC 129

QY 52 -LeuLeuPheSerHisHisTrpIleGlnGluSerLeuLeuCysProProSerProLysGl 71
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Db 130 CCTACTA-----TGG---TCAGAAAGCCTGTGTGTCCACCATCTCCAAAGGA 174

QY 71 uValThrCysArgGluMetLeuThrGlyGlyCysLeuProTrpAlaThrArgSerHisLe 91
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Db 175 GGTACCTGCAGGGAAATGTTAACGGGAGGCTGCCTTCCTGGGCAACAAGGAGCCACCT 234

QY 91 uGlyArgArgLysCysSer 97
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Db 235 GGGCAGGAGAAAGTGACG 253
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Db 1354 GCCGACGACAACTCAGTGGTTCCAGGGGACTTC---CTG---TGGCCCATACTGGTG 1407

Qy 49 -----PheTrp-----Ile-----Leu-----PheSer----- 55

Db 1408 GTTGAAGTCTGGTGGCGGTGGCCAGCAATGGCTGGCCCTGACCGCTTCAGCATCCGG 1467

Qy 56 ---HisHis---Trp-----ileGln---Glu---Ser---Leu 63

Db 1468 AAGCAGCGCCCATGGCACCCCGCTGGGCTGTCTCTGTCAGTGGCAGTCAGCGACCTG 1527

Qy 64 LeuCys-----ProPro-----Ser-----ProLys----- 70

Db 1528 CTCTGCGCTCTGACGCTGCCCCCGCTGGCGGCTACCTCTATCCGCCCAAGCACTGGCGC 1587

Qy 71 -----GluValThrCysArg---Glu---MetLeu---Thr-----GlyGly 81

Db 1588 TATGGGAGGCGCGCTGCGCGCTGGAGCGCTCTCTTCACTGTCAACCTGCTGGGCAGC 1647

Qy 82 -----Cys-----Cys----- 82

Db 1648 GTCATCTTATCATCTGATGACGCTCAACCGCTACCTGGGCATCGTGACCCCTTCTTC 1707

Qy 83 -----Leu---Pro-----Trp----- 85

Db 1708 GCCCGAAGCCACTGCGACCCCAAGCACGCTGGCGGTGAGCGCTGCGGCTGGTCTG 1767

Qy 86 -----Ala-----Thr---Arg---SerHisLeuGlyArg----- 94

Db 1768 GCGGCCCTGCTGGCCATGCCCACTCACTCAGCTTCTCCCACTG---AAGAGGCCGCGCAG 1824

Qy 95 Lys-----CysSer 97

Db 1825 CAGGGGGCGGCAACTGCAGC 1845

RESULT 15

US-10-152-058-2

; Sequence 2, Application US/10152058

; Patent No. US20020142988A1

; GENERAL INFORMATION:

; APPLICANT: Communi, Didier

; APPLICANT: Boeynaems, Jeanmarie

; TITLE OF INVENTION: G Protein Coupled Receptor Showing Selective Affinity for ATP

; FILE REFERENCE: 9409/2062

; CURRENT APPLICATION NUMBER: US/10/152,058

; CURRENT FILING DATE: 2002-05-21

; PRIOR APPLICATION NUMBER: PCT/BE98/00108

; PRIOR FILING DATE: 1998-07-09

; PRIOR APPLICATION NUMBER: EP97870101.9

; PRIOR FILING DATE: 1997-07-09

; NUMBER OF SEQ ID NOS: 2

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 2

; LENGTH: 2427

; TYPE: DNA

; ORGANISM: Homo sapiens

US-10-152-058-2

Alignment Scores:

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Score:	287.50	Matches:	63
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Best Local Similarity:	25.51%	Mismatches:	17
Query Match:	54.04%	Indels:	155
DB:	12	Gaps:	56

US-09-854-133-586 (1-97) x US-10-152-058-2 (1-2427)

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Qy 13 ---Asp---SerGlu-----ThrLeuSer-----Gln----- 19

Db 1174 GATGATGAACAGGAAGATGATGACATCGAGTATTCTGCCAGCGGTGGCGAGCGCCCC 1233

Qy 20 ThrGlu---Leu-----Arg---Lys-----LysGlu-----ArgLys 28

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Qy 29 LysLysArg---Glu-----Arg-----Lys-----Phe-----Gln 36

Db 1294 CGGAAGCGGTGGAAATGGATCGAGGTGCCAAGTCTTGCCCTGCCAACTTCTTGGCAGCT 1353

Qy 37 Ala---Asn---CysGlyIle-----AspPheIleIlePheTrp---Ile----- 48

Db 1354 GCCGACGACAAACTCAGTGGGTTCAGGGGACTTC---CTG---TGGCCCATACTGGTG 1407

Qy 49 -----PheTrp-----Ile-----Leu-----PheSer----- 55

Db 1408 GTTGAAGTCTGGTGGCGGTGGCGCAGCAATGGCTGGCCCTGTACCGCTTCAGCATCCGG 1467

Qy 56 ---HisHis---Trp-----ileGln---Glu---Ser---Leu 63

Db 1468 AAGCAGCGCCCATGGCACCCCGCGGTGCTTCTCTGTCCAGCTGGCAGTCAGCGACCTG 1527

Qy 64 LeuCys-----ProPro-----Ser-----ProLys----- 70

Db 1528 CTCTGCGCTCTGACGCTGCCCCCGCTGGCGGCTACCTCTATCCCCCAAGCACTGGCGC 1587

Qy 71 -----GluValThrCysArg---Glu---MetLeu---Thr-----GlyGly 81

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Qy 82 -----Cys-----Cys----- 82

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Qy 83 -----Leu---Pro-----Trp----- 85

Db 1708 GCCCGAAGCCACTGCGACCCCAAGCACGCTGGCGGTGAGCGCTGCGGCTGGTCTG 1767

Qy 86 -----Ala-----Thr---Arg---SerHisLeuGlyArg----- 94

Db 1768 GCGGCCCTGCTGGCCATGCCCACTCACTCAGCTTCTCCCACTG---AAGAGGCCGCGCAG 1824

Qy 95 Lys-----CysSer 97

Db 1825 CAGGGGGCGGCAACTGCAGC 1845

Search completed: May 11, 2003, 20:09:26

Job time : 94 secs

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C 3	9	9.3		36	2	US-08-467-346-18	Sequence 18, Appl
C 4	9	9.3		1753	3	US-08-205-697A-6	Sequence 6, Appli
C 5	9	9.3		1753	3	US-08-702-525-6	Sequence 6, Appli
C 6	9	9.3		1753	5	PCT-US95-02576-6	Sequence 6, Appli
C 7	9	9.3		4092	3	US-09-306-595C-5	Sequence 5, Appli
C 8	9	9.3		4092	4	US-09-925-388-5	Sequence 5, Appli
C 9	9	9.3		4136	3	US-09-103-875-2	Sequence 2, Appli
C 10	9	9.3		12847	1	US-08-550-715-1	Sequence 1, Appli
C 11	9	9.3		55298	4	US-09-491-356C-1	Sequence 1, Appli
C 12	9	9.3		72928	3	US-09-009-913-1	Sequence 1, Appli

C 86	7	7.2	188	1	US-08-115-497-21	Sequence 21, Appl	Sequence 21, Appl	159	7	7.2	1002	4	US-09-107-532A-890	Sequence 890, App
C 87	7	7.2	188	1	US-08-466-670-21	Sequence 21, Appl	Sequence 21, Appl	C 160	7	7.2	1018	3	US-08-896-095-2	Sequence 2, Appli
C 88	7	7.2	188	2	US-08-291-011-1	Sequence 1, Appli	Sequence 1, Appli	C 161	7	7.2	1019	4	US-09-177-650-128	Sequence 128, App
C 89	7	7.2	188	4	US-09-266-065-1	Sequence 1, Appli	Sequence 1, Appli	C 162	7	7.2	1047	4	US-09-252-991A-13520	Sequence 13520, A
C 90	7	7.2	188	3	US-09-157-177-115	Sequence 115, App	Sequence 115, App	C 163	7	7.2	1180	4	US-09-620-312D-971	Sequence 971, App
C 91	7	7.2	192	2	US-08-520-678A-31	Sequence 31, Appl	Sequence 31, Appl	C 164	7	7.2	1192	1	US-08-380-916-2	Sequence 2, Appli
C 92	7	7.2	197	2	US-08-897-126-31	Sequence 31, Appl	Sequence 31, Appl	165	7	7.2	1192	2	US-08-182-247-1	Sequence 1, Appli
C 93	7	7.2	197	3	US-08-897-126-31	Sequence 31, Appl	Sequence 31, Appl	166	7	7.2	1192	3	US-08-721-690-2	Sequence 2, Appli
C 94	7	7.2	200	3	US-09-014-416-64	Sequence 64, Appl	Sequence 64, Appl	167	7	7.2	1192	3	US-08-891-581-2	Sequence 2, Appli
C 95	7	7.2	213	2	US-08-332-766A-4	Sequence 38, Appl	Sequence 38, Appl	168	7	7.2	1192	3	US-08-166-205B-67	Sequence 67, Appl
C 96	7	7.2	217	2	US-08-332-766A-4	Sequence 4, Appli	Sequence 4, Appli	169	7	7.2	1225	4	US-09-166-205B-67	Sequence 9, Appli
C 97	7	7.2	243	1	US-07-922-723A-9	Sequence 9, Appli	Sequence 9, Appli	170	7	7.2	1312	2	US-08-580-545B-9	Sequence 9, Appli
C 98	7	7.2	243	1	US-07-799-828C-9	Sequence 9, Appli	Sequence 9, Appli	171	7	7.2	1312	3	US-09-262-653A-9	Sequence 7, Appli
C 99	7	7.2	243	1	US-08-074-275-9	Sequence 9, Appli	Sequence 9, Appli	172	7	7.2	1313	1	US-08-176-427B-7	Sequence 4, Appli
100	7	7.2	243	1	US-08-480-366-9	Sequence 9, Appli	Sequence 9, Appli	173	7	7.2	1313	2	US-08-356-060A-4	Sequence 4, Appli
C 101	7	7.2	243	2	US-07-952-277A-9	Sequence 9, Appli	Sequence 9, Appli	174	7	7.2	1313	3	US-08-460-900C-4	Sequence 4, Appli
C 102	7	7.2	250	4	US-09-125-642C-7	Sequence 7, Appli	Sequence 7, Appli	175	7	7.2	1313	3	US-08-674-509B-4	Sequence 4, Appli
C 103	7	7.2	253	2	US-08-520-678A-25	Sequence 25, Appl	Sequence 25, Appl	176	7	7.2	1313	3	US-08-954-698-4	Sequence 4, Appli
C 104	7	7.2	253	3	US-08-897-126-25	Sequence 25, Appl	Sequence 25, Appl	177	7	7.2	1313	4	US-08-957-874-4	Sequence 4, Appli
105	7	7.2	275	4	US-08-585-593A-42	Sequence 42, Appl	Sequence 42, Appl	178	7	7.2	1313	4	US-09-325-256-8	Sequence 8, Appli
C 106	7	7.2	278	2	US-08-332-766A-42	Sequence 42, Appl	Sequence 42, Appl	179	7	7.2	1313	4	US-09-639-695-4	Sequence 4, Appli
C 107	7	7.2	285	2	US-08-623-906A-3	Sequence 3, Appli	Sequence 3, Appli	180	7	7.2	1314	3	US-09-057-860A-5	Sequence 5, Appli
C 108	7	7.2	285	3	US-08-520-678A-20	Sequence 20, Appl	Sequence 20, Appl	181	7	7.2	1320	1	US-08-599-252-84	Sequence 84, Appl
C 109	7	7.2	287	4	US-08-897-126-20	Sequence 20, Appl	Sequence 20, Appl	182	7	7.2	1320	1	PCT-US96-06352-84	Sequence 84, Appl
110	7	7.2	320	3	US-09-313-294A-5255	Sequence 5255, Ap	Sequence 113, App	183	7	7.2	1320	5	PCT-US96-06583-84	Sequence 7, Appli
C 111	7	7.2	321	2	US-08-520-678A-23	Sequence 23, Appl	Sequence 23, Appl	184	7	7.2	1347	2	US-08-286-819A-7	Sequence 31, Appl
C 112	7	7.2	321	3	US-08-897-126-23	Sequence 23, Appl	Sequence 23, Appl	185	7	7.2	1347	2	US-08-286-819A-31	Sequence 7, Appli
113	7	7.2	324	4	US-09-252-991A-5887	Sequence 5887, Ap	Sequence 5887, Ap	186	7	7.2	1347	3	US-08-980-357-7	Sequence 31, Appl
114	7	7.2	332	4	US-09-657-453A-19	Sequence 19, Appl	Sequence 19, Appl	187	7	7.2	1347	3	US-08-980-357-31	Sequence 154, App
115	7	7.2	333	3	US-09-018-584A-27	Sequence 9, Appli	Sequence 9, Appli	188	7	7.2	1419	3	US-08-943-731-154	Sequence 9, Appli
116	7	7.2	334	2	US-08-623-906A-9	Sequence 168, App	Sequence 168, App	189	7	7.2	1469	4	US-09-075-454-9	Sequence 9, Appli
C 117	7	7.2	339	4	US-09-495-050A-168	Sequence 8, Appli	Sequence 8, Appli	190	7	7.2	1472	1	US-08-123-161A-9	Sequence 9, Appli
118	7	7.2	344	2	US-08-623-906A-8	Sequence 8, Appli	Sequence 8, Appli	191	7	7.2	1472	1	US-08-483-278-9	Sequence 332, App
119	7	7.2	348	2	US-08-623-906A-14	Sequence 14, Appl	Sequence 14, Appl	192	7	7.2	1557	4	US-09-620-412C-332	Sequence 332, App
C 120	7	7.2	356	2	US-08-520-678A-22	Sequence 22, Appl	Sequence 22, Appl	193	7	7.2	1557	4	US-09-598-419-332	Sequence 45, Appl
C 121	7	7.2	356	3	US-08-897-126-22	Sequence 22, Appl	Sequence 22, Appl	194	7	7.2	1588	3	US-09-058-489-45	Sequence 3, Appli
122	7	7.2	361	3	US-09-018-584A-9	Sequence 9, Appli	Sequence 9, Appli	195	7	7.2	1618	1	US-08-236-918A-3	Sequence 3, Appli
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125	7	7.2	376	4	US-09-171-209-79	Sequence 79, Appl	Sequence 79, Appl	198	7	7.2	1620	4	US-09-252-991A-5920	Sequence 19, Appl
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C 127	7	7.2	394	2	US-08-623-906A-7	Sequence 7, Appli	Sequence 7, Appli	200	7	7.2	1674	1	US-08-480-528A-1	Sequence 1, Appli
C 128	7	7.2	405	2	US-08-299-074A-1	Sequence 1, Appli	Sequence 1, Appli	201	7	7.2	1674	1	US-08-479-666-1	Sequence 1, Appli
C 129	7	7.2	405	3	US-09-399-773-1	Sequence 1, Appli	Sequence 1, Appli	202	7	7.2	1674	1	US-08-479-666-1	Sequence 1, Appli
C 131	7	7.2	423	1	US-08-470-179-130	Sequence 130, App	Sequence 130, App	203	7	7.2	1674	1	US-08-901-200A-1	Sequence 1, Appli
132	7	7.2	427	2	US-08-623-906A-5	Sequence 5, Appli	Sequence 5, Appli	204	7	7.2	1674	2	US-08-901-200A-1	Sequence 1, Appli
133	7	7.2	427	2	US-09-397-787-225	Sequence 225, App	Sequence 225, App	205	7	7.2	1674	3	US-09-219-391-1	Sequence 1, Appli
134	7	7.2	436	4	US-09-340-323A-1	Sequence 1, Appli	Sequence 1, Appli	206	7	7.2	1674	3	US-09-219-391-1	Sequence 1, Appli
135	7	7.2	460	2	US-08-623-906A-11	Sequence 11, Appl	Sequence 11, Appl	207	7	7.2	1674	4	US-08-643-321-25	Sequence 25, Appl
136	7	7.2	468	4	US-09-252-991A-13830	Sequence 13830, A	Sequence 13830, A	208	7	7.2	1674	4	US-08-643-321-25	Sequence 25, Appl
137	7	7.2	500	4	US-09-340-323A-2	Sequence 2, Appli	Sequence 2, Appli	209	7	7.2	1674	5	PCT-US93-10520-1	Sequence 1, Appli
C 138	7	7.2	516	3	US-09-018-584A-24	Sequence 24, Appl	Sequence 24, Appl	210	7	7.2	1674	5	PCT-US93-10520-1	Sequence 1, Appli
139	7	7.2	544	4	US-09-280-116-247	Sequence 247, App	Sequence 247, App	211	7	7.2	1674	5	PCT-US96-00994-3	Sequence 4, Appli
140	7	7.2	555	4	US-09-495-050A-193	Sequence 193, App	Sequence 193, App	212	7	7.2	1721	3	US-08-691-563C-58	Sequence 58, Appl
141	7	7.2	576	4	US-09-107-532A-1721	Sequence 1721, Ap	Sequence 1721, Ap	213	7	7.2	1722	3	US-09-374-766-58	Sequence 58, Appl
142	7	7.2	582	3	US-09-328-111-689	Sequence 689, App	Sequence 689, App	214	7	7.2	1722	4	US-08-979-847B-54	Sequence 54, Appl
C 143	7	7.2	603	4	US-09-252-991A-3153	Sequence 3153, Ap	Sequence 3153, Ap	215	7	7.2	1722	4	US-09-125-642C-2	Sequence 2, Appli
C 144	7	7.2	622	3	US-09-385-982-312	Sequence 312, App	Sequence 312, App	216	7	7.2	1740	4	US-09-125-642C-2	Sequence 13, Appli
C 145	7	7.2	661	2	US-08-529-878B-37	Sequence 37, Appl	Sequence 37, Appl	217	7	7.2	1742	4	US-09-125-642C-13	Sequence 8, Appli
C 146	7	7.2	803	4	US-09-495-050A-13	Sequence 13, Appl	Sequence 13, Appl	218	7	7.2	1748	1	US-08-202-056-8	Sequence 6, Appli
C 147	7	7.2	821	4	US-09-495-050A-185	Sequence 185, App	Sequence 185, App	219	7	7.2	1818	4	US-09-357-206A-6	Sequence 8, Appli
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150	7	7.2	867	4	US-09-482-273-50	Sequence 50, Appl	Sequence 50, Appl	222	7	7.2	1917	3	US-08-808-346-1	Sequence 1, Appli
151	7	7.2	888	4	US-08-107-532A-2843	Sequence 2843, Ap	Sequence 2843, Ap	223	7	7.2	1926	1	US-07-901-703-12	Sequence 12, Appl
152	7	7.2	896	3	US-08-943-731-31	Sequence 31, Appl	Sequence 31, Appl	224	7	7.2	1926	1	US-08-147-023-26	Sequence 26, Appl
C 153	7	7.2	915	4	US-09-252-991A-13420	Sequence 13420, A	Sequence 13420, A	225	7	7.2	1926	1	US-08-278-729A-22	Sequence 22, Appl
C 154	7	7.2	975	4	US-09-107-532A-2698	Sequence 2698, Ap	Sequence 2698, Ap	226	7	7.2	1926	1	US-08-480-528A-9	Sequence 9, Appli
C 155	7	7.2	1000	3	US-09-018-584A-33	Sequence 33, Appl	Sequence 33, Appl	227	7	7.2	1926	1	US-08-479-666-9	Sequence 22, Appl
C 156	7	7.2	1001	4	US-09-671-317-420	Sequence 420, App	Sequence 420, App	228	7	7.2	1926	1	US-08-155-343A-22	Sequence 22, Appl
C 157	7	7.2	1001	4	US-09-671-317-421	Sequence 421, App	Sequence 421, App	229	7	7.2	1926	1	US-08-406-672-22	Sequence 22, Appl
C 158	7	7.2	1001	4	US-09-671-317-422	Sequence 422, App	Sequence 422, App	230	7	7.2	1926	1	US-08-643-563A-22	Sequence 22, Appl
	7	7.2	1001	4	US-09-671-317-425	Sequence 425, App	Sequence 425, App	231	7	7.2	1926	1	US-08-447-570-26	Sequence 26, Appl

232	7	7.2	1926	1	US-08-643-763A-22	Sequence 22, Appl	C 305	7	7.2	4746	4	US-09-400-348-2	Sequence 2, Appli
233	7	7.2	1926	1	US-08-462-623-22	Sequence 22, Appl	C 306	7	7.2	4747	1	US-08-261-822A-2	Sequence 2, Appli
234	7	7.2	1926	1	US-08-451-953A-22	Sequence 22, Appl	C 307	7	7.2	4747	5	PCT-US95-07744A-2	Sequence 2, Appli
235	7	7.2	1926	2	US-08-459-346-7	Sequence 7, Appli	C 308	7	7.2	4823	2	US-08-457-254-5	Sequence 5, Appli
236	7	7.2	1926	2	US-08-445-468A-22	Sequence 22, Appl	C 309	7	7.2	4823	2	US-08-484-257-20	Sequence 20, Appl
237	7	7.2	1926	2	US-08-901-200A-9	Sequence 9, Appli	C 310	7	7.2	4823	3	US-08-999-927-5	Sequence 5, Appli
238	7	7.2	1926	2	US-08-449-700-26	Sequence 26, Appl	C 311	7	7.2	4823	4	US-08-461-819-5	Sequence 5, Appli
239	7	7.2	1926	2	US-08-449-699A-26	Sequence 26, Appl	C 312	7	7.2	4823	5	PCT-US94-08806-28	Sequence 28, Appl
240	7	7.2	1926	2	US-08-461-397A-22	Sequence 22, Appl	C 313	7	7.2	4823	5	PCT-US95-01829-5	Sequence 5, Appli
241	7	7.2	1926	2	US-08-912-088-22	Sequence 22, Appl	C 314	7	7.2	4823	5	PCT-US95-16626-5	Sequence 5, Appli
242	7	7.2	1926	3	US-08-278-730A-22	Sequence 22, Appl	C 315	7	7.2	5253	4	US-09-357-206A-16	Sequence 16, Appl
243	7	7.2	1926	3	US-08-889-419-7	Sequence 7, Appli	C 316	7	7.2	5265	4	US-09-556-877-174	Sequence 174, App
244	7	7.2	1926	3	US-08-445-467-22	Sequence 22, Appl	C 317	7	7.2	5265	4	US-09-620-412C-174	Sequence 174, App
245	7	7.2	1926	3	US-08-480-515A-22	Sequence 22, Appl	C 318	7	7.2	5265	4	US-09-598-419-174	Sequence 174, App
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252	7	7.2	1926	4	US-08-957-425-26	Sequence 26, Appl	C 325	7	7.2	5816	4	US-09-357-206A-21	Sequence 21, Appl
253	7	7.2	1926	4	PCT-US93-05446-12	Sequence 12, Appl	C 326	7	7.2	5835	3	US-09-033-333-3	Sequence 3, Appli
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259	7	7.2	1926	5	PCT-US93-08808-22	Sequence 22, Appl	C 332	7	7.2	5836	3	US-09-033-333-2	Sequence 2, Appli
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262	7	7.2	1926	5	US-07-841-646-26	Sequence 26, Appl	C 335	7	7.2	5836	4	US-09-474-699-9	Sequence 9, Appli
263	7	7.2	1929	1	PCT-US91-07635-3	Sequence 3, Appli	C 336	7	7.2	5874	4	US-09-844-634-98	Sequence 98, Appl
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270	7	7.2	2392	4	US-08-406-030A-4	Sequence 4, Appli	C 343	7	7.2	6325	4	US-09-357-206A-20	Sequence 20, Appl
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272	7	7.2	2571	4	US-08-306-691B-46	Sequence 46, Appl	C 345	7	7.2	6370	3	US-09-245-041-12	Sequence 12, Appl
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280	7	7.2	3070	4	US-09-077-675A-14	Sequence 14, Appl	C 353	7	7.2	6769	3	US-08-850-727-20	Sequence 20, Appl
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288	7	7.2	3331	3	US-09-360-197-1	Sequence 7, Appli	C 361	7	7.2	7676	2	US-08-998-208-7	Sequence 7, Appli
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296	7	7.2	3923	3	US-09-281-476-20	Sequence 20, Appl	C 369	7	7.2	8589	3	US-09-245-041-14	Sequence 14, Appl
297	7	7.2	3923	4	US-09-340-620A-54	Sequence 54, Appl	C 370	7	7.2	8827	3	US-09-245-041-1	Sequence 1, Appli
298	7	7.2	4244	4	US-09-357-206A-8	Sequence 8, Appli	C 371	7	7.2	8920	2	US-08-446-855A-1	Sequence 1, Appli
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300	7	7.2	4352	4	US-09-614-034-192	Sequence 192, App	C 373	7	7.2	9115	1	US-07-753-520B-3	Sequence 3, Appli
301	7	7.2	4401	4	US-08-832-883-49	Sequence 49, Appl	C 374	7	7.2	9168	4	US-09-687-731-11	Sequence 11, Appl
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C 380	7	7.2	9646	1	US-09-034-756-1	Sequence 1, Appli	453	7	7.2	72604	4	US-09-657-474-7	Sequence 7, Appli
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C 392	7	7.2	12537	4	US-09-562-466-4	Sequence 4, Appli	C 465	7	7.2	99500	4	US-09-798-096-10	Sequence 10, Appl
C 393	7	7.2	12537	4	US-08-811-566-5	Sequence 5, Appli	C 466	7	7.2	111282	4	US-09-754-250-3	Sequence 3, Appli
C 394	7	7.2	12980	4	US-09-034-756-5	Sequence 5, Appli	C 467	7	7.2	152331	3	US-09-128-155-16	Sequence 16, Appl
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C 398	7	7.2	15056	4	US-09-474-699-10	Sequence 10, Appl	C 471	7	7.2	176373	3	US-09-128-155-17	Sequence 17, Appl
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C 400	7	7.2	15602	4	US-09-844-634-17	Sequence 17, Appl	C 473	7	7.2	202001	4	US-09-734-674-3	Sequence 3, Appli
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C 402	7	7.2	16595	4	US-09-146-053-7	Sequence 7, Appli	C 475	7	7.2	246240	2	US-08-724-394A-20	Sequence 20, Appl
C 403	7	7.2	17327	1	US-07-906-871-15	Sequence 15, Appl	C 476	7	7.2	246240	2	US-08-724-394A-21	Sequence 21, Appl
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C 405	7	7.2	17656	4	US-09-433-579-3	Sequence 3, Appli	C 478	7	7.2	246240	2	US-08-724-394A-22	Sequence 22, Appl
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C 407	7	7.2	18609	3	US-08-943-731-1	Sequence 1, Appli	C 480	7	7.2	246240	2	US-08-724-394A-22	Sequence 22, Appl
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C 410	7	7.2	26000	4	US-09-843-376-10	Sequence 10, Appl	C 483	7	7.2	4403765	3	US-09-103-840A-2	Sequence 2, Appli
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C 416	7	7.2	36651	4	US-09-964-469-3	Sequence 3, Appli	C 489	6	6.2	22	1	US-08-483-554B-7	Sequence 7, Appli
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C 422	7	7.2	40352	4	US-09-443-077-15	Sequence 15, Appl	C 495	6	6.2	24	3	US-09-038-637-27	Sequence 59, Appl
C 423	7	7.2	43950	4	US-09-735-934A-3	Sequence 3, Appli	C 496	6	6.2	24	3	US-09-038-637-59	Sequence 27, Appl
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C 425	7	7.2	44453	4	US-09-146-053-5	Sequence 5, Appli	C 498	6	6.2	24	3	US-08-968-733-59	Sequence 1, Appli
C 426	7	7.2	44453	4	US-09-146-053-5	Sequence 5, Appli	C 499	6	6.2	25	1	US-08-115-497-1	Sequence 1, Appli
C 427	7	7.2	48974	3	US-08-920-422-17	Sequence 17, Appl	C 500	6	6.2	31	1	US-08-466-670-1	Sequence 2, Appli
C 428	7	7.2	49312	4	US-09-671-317-485	Sequence 485, App	C 501	6	6.2	31	1	US-08-115-497-2	Sequence 2, Appli
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C 430	7	7.2	50000	4	US-09-146-053-3	Sequence 3, Appli	C 503	6	6.2	36	2	US-08-863-639A-26	Sequence 26, Appl
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525	6	6.2	142	4	US-08-464-011B-46	Sequence 46, Appl	598	6	6.2	410	3	US-09-221-298-63	Sequence 63, Appl
526	6	6.2	142	4	US-09-378-535-60	Sequence 60, Appl	599	6	6.2	415	3	US-09-018-584A-18	Sequence 18, Appl
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C 532	6	6.2	195	3	US-09-084-120-20	Sequence 20, Appl	C 605	6	6.2	446	2	US-09-397-787-261	Sequence 261, App
533	6	6.2	205	4	US-09-313-294A-6467	Sequence 6467, Ap	606	6	6.2	450	3	US-08-586-039B-46	Sequence 46, Appl
534	6	6.2	216	4	US-09-250-609-18	Sequence 18, Appl	607	6	6.2	450	4	US-09-699-769-46	Sequence 46, Appl
535	6	6.2	216	4	US-09-250-611-18	Sequence 18, Appl	608	6	6.2	451	3	US-08-866-340-24	Sequence 24, Appl
536	6	6.2	241	4	US-09-643-597-296	Sequence 296, App	609	6	6.2	452	3	US-09-103-875-30	Sequence 30, Appl
537	6	6.2	241	4	US-09-480-884A-296	Sequence 296, App	610	6	6.2	454	4	US-09-495-050A-198	Sequence 198, App
538	6	6.2	241	4	US-09-542-615A-296	Sequence 296, App	611	6	6.2	455	3	US-09-060-756-115	Sequence 115, App
539	6	6.2	241	4	US-09-606-421B-296	Sequence 296, App	612	6	6.2	455	4	US-09-670-314-115	Sequence 115, App
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C 542	6	6.2	257	3	US-08-897-126-24	Sequence 24, Appl	615	6	6.2	465	3	US-08-586-039B-40	Sequence 40, Appl
C 543	6	6.2	258	3	US-09-078-294-25	Sequence 25, Appl	616	6	6.2	465	4	US-09-699-769-40	Sequence 40, Appl
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C 545	6	6.2	261	4	US-09-620-405B-408	Sequence 408, App	618	6	6.2	471	3	US-09-018-584A-6	Sequence 6, Appli
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552	6	6.2	277	4	US-09-389-681-101	Sequence 101, App	625	6	6.2	498	4	US-09-252-991A-1030	Sequence 1030, Ap
553	6	6.2	277	4	US-09-620-405B-101	Sequence 101, App	626	6	6.2	500	3	US-08-755-587-37	Sequence 37, Appl
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555	6	6.2	277	4	US-09-433-826B-101	Sequence 101, App	628	6	6.2	507	3	US-08-991-789A-253	Sequence 253, App
556	6	6.2	277	4	US-09-604-287A-101	Sequence 101, App	629	6	6.2	507	4	US-09-062-451-253	Sequence 253, App
557	6	6.2	280	3	US-09-060-756-421	Sequence 421, App	630	6	6.2	507	4	US-09-289-198-253	Sequence 253, App
558	6	6.2	280	4	US-09-670-314-421	Sequence 421, App	631	6	6.2	510	4	US-09-252-991A-3148	Sequence 3148, Ap
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C 562	6	6.2	296	3	US-09-385-982-19	Sequence 19, Appl	635	6	6.2	513	3	US-09-385-982-302	Sequence 302, App
563	6	6.2	301	2	US-08-332-766A-23	Sequence 23, Appl	636	6	6.2	513	4	US-09-699-769-44	Sequence 44, Appl
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C 565	6	6.2	305	4	US-09-313-294A-4763	Sequence 4763, Ap	638	6	6.2	517	4	US-09-482-273-45	Sequence 45, Appl
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C 568	6	6.2	328	4	US-09-439-313-418	Sequence 418, App	641	6	6.2	519	4	US-09-362-871-22	Sequence 28, Appl
C 569	6	6.2	328	4	US-09-352-616A-418	Sequence 418, App	642	6	6.2	530	4	US-09-451-651-28	Sequence 28, Appl
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576	6	6.2	365	1	US-08-253-155A-68	Sequence 68, Appl	649	6	6.2	541	4	US-09-404-879A-11	Sequence 11, Appl
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581	6	6.2	376	4	US-09-736-457-7	Sequence 7, Appli	C 654	6	6.2	551	4	US-09-187-999-32	Sequence 32, Appl
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587	6	6.2	385	1	US-08-599-252-109	Sequence 109, App	660	6	6.2	561	4	US-09-215-681-50	Sequence 50, Appl
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591	6	6.2	385	5	PCT-US96-06583-109	Sequence 109, App	664	6	6.2	573	4	US-08-936-165A-178	Sequence 178, App
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594	6	6.2	400	1	US-08-620-467A-8	Sequence 8, Appli	667	6	6.2	583	4	US-09-669-751-152	Sequence 152, App
595	6	6.2	400	1	US-08-348-572-8	Sequence 8, Appli	668	6	6.2	591	4	US-09-495-050A-104	Sequence 104, App
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1001 4 US-09-641-638-312

Sequence 36, Appl
Sequence 21, Appl
Sequence 6, Appl
Sequence 21, Appl
Sequence 21, Appl
Sequence 9913, Appl
Sequence 11001, A
Sequence 34, Appl
Sequence 171, Appl
Sequence 20, Appl
Sequence 1901, Appl
Sequence 13739, A
Sequence 108, Appl
Sequence 133, Appl
Sequence 10163, A
Sequence 16, Appl
Sequence 4, Appl
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Sequence 1, Appl
Sequence 1, Appl
Sequence 88, Appl
Sequence 29, Appl
Sequence 1, Appl
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Sequence 7, Appl
Sequence 2785, Appl
Sequence 17, Appl
Sequence 3953, Appl
Sequence 3, Appl
Sequence 2, Appl
Sequence 11070, A
Sequence 5, Appl
Sequence 11, Appl
Sequence 148, Appl
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Sequence 8, Appl
Sequence 7, Appl
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Sequence 121, Appl
Sequence 192, Appl
Sequence 200, Appl
Sequence 208, Appl
Sequence 279, Appl
Sequence 284, Appl
Sequence 292, Appl
Sequence 312, Appl

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C 817	6	6.2	1001	4	US-09-641-638-458	Sequence 458, App	890	6	6.2	1194	4	US-09-328-352-3231	Sequence 3231, Ap
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C 819	6	6.2	1001	4	US-09-641-638-623	Sequence 623, App	892	6	6.2	1212	4	US-09-134-001C-2399	Sequence 2399, Ap
C 820	6	6.2	1001	4	US-09-671-317-12	Sequence 12, Appl	C 893	6	6.2	1219	4	US-09-737-698B-9	Sequence 9, Appli
C 821	6	6.2	1001	4	US-09-671-317-32	Sequence 32, Appl	C 894	6	6.2	1221	4	US-09-107-532A-2019	Sequence 2019, Ap
C 822	6	6.2	1001	4	US-09-671-317-236	Sequence 236, App	C 895	6	6.2	1223	4	US-09-461-325-101	Sequence 101, App
C 823	6	6.2	1001	4	US-09-671-317-237	Sequence 237, App	896	6	6.2	1225	2	US-08-674-149A-1	Sequence 1, Appli
C 824	6	6.2	1001	4	US-09-671-317-255	Sequence 255, App	897	6	6.2	1236	4	US-09-016-434-717	Sequence 717, App
C 825	6	6.2	1001	4	US-09-671-317-256	Sequence 256, App	898	6	6.2	1241	4	US-09-016-434-1194	Sequence 1194, Ap
C 826	6	6.2	1001	4	US-09-671-317-448	Sequence 448, App	899	6	6.2	1243	1	US-08-702-344-27	Sequence 27, Appl
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C 830	6	6.2	1002	4	US-09-641-638-578	Sequence 578, App	C 903	6	6.2	1257	4	US-09-252-991A-1027	Sequence 1027, Ap
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C 840	6	6.2	1005	4	US-09-071-035-493	Sequence 493, App	C 913	6	6.2	1288	2	US-09-172-977-2	Sequence 2, Appli
C 841	6	6.2	1013	3	US-09-084-120-17	Sequence 17, Appl	914	6	6.2	1290	1	US-08-448-744-5	Sequence 5, Appli
C 842	6	6.2	1018	1	US-08-314-309A-15	Sequence 15, Appl	C 915	6	6.2	1301	4	US-08-983-502-19	Sequence 19, Appl
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C 857	6	6.2	1056	1	US-08-402-217A-1	Sequence 1, Appli	C 930	6	6.2	1334	2	US-08-477-504A-44	Sequence 44, Appl
C 858	6	6.2	1056	1	US-08-700-178-1	Sequence 1, Appli	C 931	6	6.2	1334	2	US-08-486-756A-44	Sequence 44, Appl
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C 861	6	6.2	1064	3	US-09-149-922-3	Sequence 3, Appli	C 934	6	6.2	1334	3	US-08-487-077A-44	Sequence 44, Appl
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C 868	6	6.2	1110	2	US-08-851-088-9	Sequence 9, Appli	941	6	6.2	1346	4	US-09-107-532A-261	Sequence 261, App
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C 870	6	6.2	1112	4	US-09-173-300-48	Sequence 48, Appl	943	6	6.2	1352	3	US-08-817-913-15	Sequence 15, Appl
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C 876	6	6.2	1139	4	US-09-690-454-13	Sequence 13, Appl	C 949	6	6.2	1363	1	US-08-776-088-21	Sequence 21, Appl
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C 881	6	6.2	1164	1	US-08-087-772A-3	Sequence 3, Appli	C 954	6	6.2	1368	3	US-08-577-483-14	Sequence 14, Appl
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US-09-854-133-586 (1-97) x US-08-413-813-18 (1-36)
QY      26 GluArgLysLysLysArgGluArgLys 34
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Db      33 GAGAGAAAAAAGAGAGAGAGAGAGAAA 7

RESULT 3
US-08-467-346-18/c
; Sequence 18, Application US/08467346
; Patent No. 5872105
; GENERAL INFORMATION:
; APPLICANT: Kool, Eric T.
; TITLE OF INVENTION: SINGLE-STRANDED, CIRCULAR OLIGONUCLEOTIDES
; NUMBER OF SEQUENCES: 44
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Scully, Scott, Murphy & Presser
; STREET: 400 Garden City Plaza
; CITY: Garden City
; STATE: New York
; COUNTRY: USA
; ZIP: 11530
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/467,346
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/413,813
; FILING DATE: 30-MAR-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: DiGioglio, Frank S.
; REGISTRATION NUMBER: 31,346
; REFERENCE/DOCKET NUMBER: 8085ZYX
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (516) 742-4343
; TELEFAX: (516) 742-4366
; TELEX: 230 901 SANS UR
; INFORMATION FOR SEQ ID NO: 18:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 36 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: circular
US-08-467-346-18

Alignment Scores:
Pred. No.:          0.102           Length:          36
Score:              9.00            Matches:         9
Percent Similarity: 100.00%        Conservative:    0
Best Local Similarity: 100.00%     Mismatches:     0
Query Match:        9.28%          Indels:         0
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US-09-854-133-586 (1-97) x US-08-467-346-18 (1-36)
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Db      33 GAGAGAAAAAAGAGAGAGAGAGAGAAA 7

RESULT 4
US-08-205-697A-6/c
; Sequence 6, Application US/08205697A
; Patent No. 6218510
; GENERAL INFORMATION:
; APPLICANT: Sharpe, Arlene H.
; APPLICANT: Borriello, Francescopaulo
; APPLICANT: Freeman, Gordon J.
; APPLICANT: Nadler, Lee M.
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APPLICATION NUMBER: US/08/702,525
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/205,697
FILING DATE: 02-Mar-1994
ATTORNEY/AGENT INFORMATION:
NAME: Mandragouras, Amy E.
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: BWI-120CPUS
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)227-5941
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 1753 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-08-702-525-6

Alignment Scores:
Pred. No.: 3.79 Length: 1753
Score: 9.00 Matches: 9
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 9.28% Indels: 0
DB: 3 Gaps: 0

US-09-854-133-586 (1-97) x US-08-702-525-6 (1-1753)

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Db 740 AGAAAAAGAAAGAAAGAAAGAAAGAAAG 714

RESULT 6
PCT-US95-02576-6/c
Sequence 6, Application PC/TUS9502576
GENERAL INFORMATION:
APPLICANT:
TITLE OF INVENTION: Novel Forms of T Cell Costimulatory Molecules
TITLE OF INVENTION: and Uses Therefor
NUMBER OF SEQUENCES: 65
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD
STREET: 60 State Street, suite 510
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/02576
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/205,697
FILING DATE: 02-Mar-1994
ATTORNEY/AGENT INFORMATION:
NAME: Mandragouras, Amy E.
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: BWI-120CPPC
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)227-5941
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 1753 base pairs
TYPE: nucleic acid
STRANDEDNESS: double

TOPOLOGY: linear
MOLECULE TYPE: cDNA
PCT-US95-02576-6
Alignment Scores:
Pred. No.: 3.79 Length: 1753
Score: 9.00 Matches: 9
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 9.28% Indels: 0
DB: 5 Gaps: 0

US-09-854-133-586 (1-97) x PCT-US95-02576-6 (1-1753)

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Db 740 AGAAAAAGAAAGAAAGAAAGAAAGAAAG 714

RESULT 7
US-09-306-595C-5
Sequence 5, Application US/09306595C
Patent No. 6284506
GENERAL INFORMATION:
APPLICANT: HOSHINO, Tatsuo
APPLICANT: OJIMA, Kazuyuki
APPLICANT: SETOGUCHI, Yutaka
TITLE OF INVENTION: ISOPRENOID PRODUCTION
FILE REFERENCE: ISOPRENOID PRODUCTION
CURRENT APPLICATION NUMBER: US/09/306,595C
CURRENT FILING DATE: 1999-05-06
PRIOR APPLICATION NUMBER: 98108210
PRIOR FILING DATE: 1998-05-06
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 5
LENGTH: 4092

TYPE: DNA
ORGANISM: Phaffia rhodozyma
FEATURE:
NAME/KEY: 5'UTR
LOCATION: (787)..(788)
OTHER INFORMATION: EXPERIMENTAL
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LOCATION: (852)..(986)
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LOCATION: (1318)..(1468)
NAME/KEY: exon
LOCATION: (1469)..(1549)
NAME/KEY: intron
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NAME/KEY: exon
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LOCATION: (1980)..(2092)
NAME/KEY: exon
LOCATION: (2093)..(2165)
NAME/KEY: intron
LOCATION: (2166)..(2250)
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LOCATION: (2392)..(2488)
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LOCATION: (2489)..(2652)
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; LOCATION: (3024)..(3025)
US-09-306-595C-5

Alignment Scores:
Pred. No.: 8.33 Length: 4092
Score: 9.00 Matches: 9
Percent Similarity: 100.00% Conservatives: 0
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US-09-854-133-586 (1-97) x US-09-306-595C-5 (1-4092)

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RESULT 8
US-09-925-388-5
; Sequence 5, Application US/09925388
; Patent No. 6586202
; GENERAL INFORMATION:
; APPLICANT: HOSHINO, Tatsuo
; APPLICANT: OJIMA, Kazuyuki
; APPLICANT: SETOGUCHI, Yutaka
; TITLE OF INVENTION: ISOPRENOID PRODUCTION
; FILE REFERENCE: ISOPRENOID PRODUCTION
; CURRENT APPLICATION NUMBER: US/09/925,388
; PRIOR FILING DATE: 2001-08-09
; PRIOR APPLICATION NUMBER: 09/306,595
; PRIOR FILING DATE: 1999-05-06
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 4092
; TYPE: DNA
; ORGANISM: Phaffia rhodozyma
; FEATURE:
; NAME/KEY: 5'UTR
; LOCATION: (787)..(788)
; OTHER INFORMATION: EXPERIMENTAL
; NAME/KEY: exon
; LOCATION: (852)..(986)
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; NAME/KEY: intron
; LOCATION: (2166)..(2250)
; NAME/KEY: exon
; LOCATION: (2251)..(2391)
; NAME/KEY: intron
; LOCATION: (2392)..(2488)
```

```
; NAME/KEY: exon
; LOCATION: (2489)..(2652)
; NAME/KEY: intron
; LOCATION: (2653)..(2784)
; NAME/KEY: exon
; LOCATION: (2785)..(2902)
; NAME/KEY: polyA_site
; LOCATION: (3024)..(3025)
US-09-925-388-5

Alignment Scores:
Pred. No.: 8.33 Length: 4092
Score: 9.00 Matches: 9
Percent Similarity: 100.00% Conservatives: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 9.28% Indels: 0
DB: 4 Gaps: 0

US-09-854-133-586 (1-97) x US-09-925-388-5 (1-4092)

QY 23 ArgLysLysGluArgLysLysLysArg 31
Db 3742 CGAAAGAAAGAAAGAAAGAGG 3768

RESULT 9
US-09-103-875-2/c
; Sequence 2, Application US/09103875A
; Patent No. 6221849
; GENERAL INFORMATION:
; APPLICANT: Szyf, Moshe
; APPLICANT: Bigey, Pascal
; APPLICANT: Ramchandani, Shyam
; TITLE OF INVENTION: DNA METHYLTRANSFERASE GENOMIC SEQUENCES AND ANTISENSE
; FILE REFERENCE: 106101.194
; CURRENT APPLICATION NUMBER: US/09/103,875A
; CURRENT FILING DATE: 1998-06-24
; EARLIER APPLICATION NUMBER: 60/069,865
; EARLIER FILING DATE: 1997-12-17
; EARLIER APPLICATION NUMBER: 08/866,340
; EARLIER FILING DATE: 1997-05-30
; NUMBER OF SEQ ID NOS: 138
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 4136
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-103-875-2

Alignment Scores:
Pred. No.: 8.42 Length: 4136
Score: 9.00 Matches: 9
Percent Similarity: 100.00% Conservatives: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 9.28% Indels: 0
DB: 3 Gaps: 0

US-09-854-133-586 (1-97) x US-09-103-875-2 (1-4136)

QY 23 ArgLysLysGluArgLysLysLysArg 31
Db 3047 AGAAAGAAAGAAAGAAAGAGAGG 3021

RESULT 10
US-08-550-715-1
; Sequence 1, Application US/08550715
; Patent No. 5750345
; GENERAL INFORMATION:
; APPLICANT: Bowie, Lemuel J.
; TITLE OF INVENTION: Human -Thalassemia Mutations as a Predictor of
; TITLE OF INVENTION: Blood-Related Disorders
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
```



```
Query Match:      8.25%      Indels:      0
DB:               1          Gaps:         0

US-09-854-133-586 (1-97) x US-07-922-723A-7 (1-291)

Qy      23 ArgLysLysGluArgLysLysLys 30
      |||||
Db      169 AGAAAGAAAGAAAGAAAGAAAG 192

RESULT 21
US-07-799-828C-7
; Sequence 7, Application US/07799828C
; Patent No. 5378602
; GENERAL INFORMATION:
; APPLICANT: Drs. Carl R. Merrill and
; APPLICANT: Mihael H. Polymeropoulos
; TITLE OF INVENTION: TWENTY SEVEN HIGHLY INFORMATIVE
; TITLE OF INVENTION: MICROSAATELLITE REPEAT
; TITLE OF INVENTION: POLYMORPHIC DNA MARKERS
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lowe, Price, LeBlanc & Becker
; STREET: Suite 300, 99 Canal Center Plaza
; CITY: Alexandria
; STATE: Virginia
; COUNTRY: USA
; ZIP: 22314
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: DOS Text File
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/799,828C
; FILING DATE: 19911127
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: D.J. Mills
; REGISTRATION NUMBER: 34,506
; REFERENCE/DOCKET NUMBER: 717081A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703 684 1111
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 291
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-07-799-828C-7

Alignment Scores:
Pred. No.:      7.52      Length:      291
Score:          8.00      Matches:      8
Percent Similarity: 100.00%      Conservative: 0
Best Local Similarity: 100.00%      Mismatches: 0
Query Match:    8.25%      Indels:      0
DB:             1          Gaps:         0

US-09-854-133-586 (1-97) x US-07-799-828C-7 (1-291)

Qy      23 ArgLysLysGluArgLysLysLys 30
      |||||
Db      169 AGAAAGAAAGAAAGAAAGAAAG 192

RESULT 22
US-08-074-275-7
; Sequence 7, Application US/08074275
; Patent No. 5468610
; GENERAL INFORMATION:
; APPLICANT: Drs. Carl R. Merrill and
; APPLICANT: Mihael H. Polymeropoulos
; TITLE OF INVENTION: THREE HIGHLY INFORMATIVE REPEAT
```

```
; TITLE OF INVENTION: POLYMORPHIC DNA MARKERS
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lowe, Price, LeBlanc & Becker
; STREET: Suite 300, 99 Canal Center Plaza
; CITY: Alexandria
; STATE: Virginia
; COUNTRY: USA
; ZIP: 22314
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: DOS Text File
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/074,275
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/707,501
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: J.G. Mullins
; REGISTRATION NUMBER: 33073
; REFERENCE/DOCKET NUMBER: 717081
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703 684 1111
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 291
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-074-275-7

Alignment Scores:
Pred. No.:      7.52      Length:      291
Score:          8.00      Matches:      8
Percent Similarity: 100.00%      Conservative: 0
Best Local Similarity: 100.00%      Mismatches: 0
Query Match:    8.25%      Indels:      0
DB:             1          Gaps:         0

US-09-854-133-586 (1-97) x US-08-074-275-7 (1-291)

Qy      23 ArgLysLysGluArgLysLysLys 30
      |||||
Db      169 AGAAAGAAAGAAAGAAAGAAAG 192

RESULT 23
US-08-480-366-7
; Sequence 7, Application US/08480366
; Patent No. 5721100
; GENERAL INFORMATION:
; APPLICANT: Drs. Carl R. Merrill and
; APPLICANT: Mihael H. Polymeropoulos
; TITLE OF INVENTION: THREE HIGHLY INFORMATIVE REPEAT
; TITLE OF INVENTION: POLYMORPHIC DNA MARKERS
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lowe, Price, LeBlanc & Becker
; STREET: Suite 300, 99 Canal Center Plaza
; CITY: Alexandria
; STATE: Virginia
; COUNTRY: USA
; ZIP: 22314
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: DOS Text File
; CURRENT APPLICATION DATA:
```

APPLICATION NUMBER: US/08/480,366
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: J.G. Mullins
REGISTRATION NUMBER: 33073
REFERENCE/DOCKET NUMBER: 717081
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703 684 1111
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 291
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-480-366-7

Alignment Scores:
Pred. No.: 7.52 Length: 291
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 8.25% Indels: 0
DB: 1 Gaps: 0

US-09-854-133-586 (1-97) x US-08-480-366-7 (1-291)

QY 23 ArgLysLysGluArgLysLysLys 30
|||||
Db 169 AGAAAGAAAGAAAGAAAGAAAG 192

RESULT 24

US-07-952-277A-7
Sequence 7, Application US/07952277A
Patent No. 5861504
GENERAL INFORMATION:
APPLICANT: Drs. Mihael H. Polymeropoulos
APPLICANT: and Carl R. Merrill
TITLE OF INVENTION: ELEVEN HIGHLY INFORMATIVE
TITLE OF INVENTION: REPEAT POLYMORPHIC DNA MARKERS
NUMBER OF SEQUENCES: 85
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lowe, Price, LeBlanc & Becker
STREET: Suite 300, 99 Canal Center Plaza
CITY: Alexandria
STATE: Virginia
COUNTRY: USA
ZIP: 22314
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: DOS Text File
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/952,277A
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: D.J. Mills
REGISTRATION NUMBER: 34506
REFERENCE/DOCKET NUMBER: 717081C
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703 684 1111
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 291
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-07-952-277A-7

Alignment Scores:
Pred. No.: 7.52 Length: 291
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 8.25% Indels: 0
DB: 2 Gaps: 0
US-09-854-133-586 (1-97) x US-07-952-277A-7 (1-291)
QY 23 ArgLysLysGluArgLysLysLys 30
|||||
Db 169 AGAAAGAAAGAAAGAAAGAAAG 192
RESULT 25
US-08-623-906A-19
Sequence 19, Application US/08623906A
Patent No. 5874217
GENERAL INFORMATION:
APPLICANT: Stevenson, Tamara
APPLICANT: Dvorak, Jan
APPLICANT: Halverson, Joy
TITLE OF INVENTION: Microsatellite Sequences for Canine
TITLE OF INVENTION: Genotyping
NUMBER OF SEQUENCES: 60
CORRESPONDENCE ADDRESS:
ADDRESSEE: FLEHR, HOHBACH, TEST, ALBRITTON & HERBERT
STREET: 4 Embarcadero Center, Suite 3400
CITY: San Francisco
STATE: CA
COUNTRY: US
ZIP: 94111-4187
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/623,906A
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Sherwood, Pamela J.
REGISTRATION NUMBER: 36,677
REFERENCE/DOCKET NUMBER: A-62282/BIR
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-781-1989
TELEFAX: 415-398-3249
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 299 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: misc feature
LOCATION: 1..128
OTHER INFORMATION: /note= "Nucleotides 1-128 are
OTHER INFORMATION: unique flanking sequence"
FEATURE:
NAME/KEY: misc feature
LOCATION: 129..199
OTHER INFORMATION: /note= "Nucleotides 129-199 are
OTHER INFORMATION: repeat sequence"
FEATURE:
NAME/KEY: misc feature
LOCATION: 200..299
OTHER INFORMATION: /note= "Nucleotides 200-299 are
OTHER INFORMATION: unique flanking sequence"
US-08-623-906A-19
Alignment Scores:

Pred. No.: 7.72 Length: 299
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 8.25% Indels: 0
DB: 2 Gaps: 0

US-09-854-133-586 (1-97) x US-08-623-906A-19 (1-299)

QY 23 ArgLysLysGluArgLysLysLys 30
|||||
Db 176 AGAAAGAAAGAAAGAAAGAA 199

RESULT 26
US-08-623-906A-17
; Sequence 17, Application US/08623906A
; Patent No. 5874217
; GENERAL INFORMATION:
; APPLICANT: Stevenson, Tamara
; APPLICANT: Dvorak, Jan
; APPLICANT: Halverson, Joy
; TITLE OF INVENTION: Microsatellite Sequences for Canine
; TITLE OF INVENTION: Genotyping
; NUMBER OF SEQUENCES: 60
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FLEHR, HOHBACH, TEST, ALBRITTON & HERBERT
; STREET: 4 Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: CA
; COUNTRY: US
; ZIP: 94111-4187
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/623,906A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Sherwood, Pamela J.
; REGISTRATION NUMBER: 36,677
; REFERENCE/DOCKET NUMBER: A-62282/BIR
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-781-1989
; TELEFAX: 415-398-3249
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 350 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 1..109
; OTHER INFORMATION: /note= "Nucleotides 1-109 are
; OTHER INFORMATION: unique flanking sequence"
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 110..195
; OTHER INFORMATION: /note= "Nucleotides 110-195 are
; OTHER INFORMATION: repeat sequence"
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 196..350
; OTHER INFORMATION: /note= "Nucleotides 196-350 are
; OTHER INFORMATION: unique flanking sequence"
US-08-623-906A-17

Alignment Scores:
Pred. No.: 8.93 Length: 350

Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 8.25% Indels: 0
DB: 2 Gaps: 0

US-09-854-133-586 (1-97) x US-08-623-906A-17 (1-350)

QY 23 ArgLysLysGluArgLysLysLys 30
|||||
Db 118 AGAAAAAGAAAGAAAGAAAG 141

RESULT 27
US-09-157-177-110
; Sequence 110, Application US/09157177
; Patent No. 6090558
; GENERAL INFORMATION:
; APPLICANT: Butler, John M.
; APPLICANT: Li, Jia
; APPLICANT: Monforte, Joseph A.
; APPLICANT: Becker, Christopher H.
; TITLE OF INVENTION: DNA TYPING BY MASS SPECTROMETRY WITH POLYMORPHIC DNA
; TITLE OF INVENTION: REPEAT MARKERS
; FILE REFERENCE: GETR:017/GETR017P
; CURRENT APPLICATION NUMBER: US/09/157,177
; CURRENT FILING DATE: 1998-09-18
; EARLIER APPLICATION NUMBER: 60/059,415
; EARLIER FILING DATE: 1997-09-19
; NUMBER OF SEQ ID NOS: 135
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 110
; LENGTH: 350
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-157-177-110

Alignment Scores:
Pred. No.: 8.93 Length: 350
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 8.25% Indels: 0
DB: 3 Gaps: 0

US-09-854-133-586 (1-97) x US-09-157-177-110 (1-350)

QY 22 LeuArgLysLysGluArgLysLys 29
|||||
Db 70 CTCAGAAAGAAAGAAAGAAAG 93

RESULT 28
US-08-623-906A-18
; Sequence 18, Application US/08623906A
; Patent No. 5874217
; GENERAL INFORMATION:
; APPLICANT: Stevenson, Tamara
; APPLICANT: Dvorak, Jan
; APPLICANT: Halverson, Joy
; TITLE OF INVENTION: Microsatellite Sequences for Canine
; TITLE OF INVENTION: Genotyping
; NUMBER OF SEQUENCES: 60
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FLEHR, HOHBACH, TEST, ALBRITTON & HERBERT
; STREET: 4 Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: CA
; COUNTRY: US
; ZIP: 94111-4187
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30

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;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/623,906A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Sherwood, Pamela J.
; REGISTRATION NUMBER: 36,677
; REFERENCE/DOCKET NUMBER: A-62282/BIR
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-781-1989
; TELEFAX: 415-398-3249
; INFORMATION FOR SEQ ID NO: 18:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 376 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1..79
; OTHER INFORMATION: /note= "Nucleotides 1-79 are unique
; OTHER INFORMATION: flanking sequence"
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 80..229
; OTHER INFORMATION: /note= "Nucleotides 80-229 are
; OTHER INFORMATION: repeat sequence"
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 230..376
; OTHER INFORMATION: /note= "Nucleotides 230-376 are
; OTHER INFORMATION: unique flanking sequence"
;
; US-08-623-906A-18
;
; Alignment Scores:
; Pred. No.: 9.55 Length: 376
; Score: 8.00 Matches: 8
; Percent Similarity: 100.00% Conservative: 0
; Best Local Similarity: 100.00% Mismatches: 0
; Query Match: 8.25% Indels: 0
; DB: 2 Gaps: 0
;
; US-09-854-133-586 (1-97) x US-08-623-906A-18 (1-376)
;
; QY 23 ArgLysLysGluArgLysLysLys 30
; |||||
; DB 98 AGAAAGAAAGAAAGAAAGAA 121
;
; RESULT 29
; US-08-623-906A-13/c
; Sequence 13, Application US/08623906A
; Patent No. 5874217
; GENERAL INFORMATION:
; APPLICANT: Stevenson, Tamara
; APPLICANT: Dvorak, Jan
; APPLICANT: Halverson, Joy
; TITLE OF INVENTION: Microsatellite Sequences for Canine
; TITLE OF INVENTION: Genotyping
; NUMBER OF SEQUENCES: 60
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FLEHR, HOBBACH, TEST, ALBRITTON & HERBERT
; STREET: 4 Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: CA
; COUNTRY: US
; ZIP: 94111-4187
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
;
;

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;
; APPLICATION NUMBER: US/08/623,906A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Sherwood, Pamela J.
; REGISTRATION NUMBER: 36,677
; REFERENCE/DOCKET NUMBER: A-62282/BIR
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-781-1989
; TELEFAX: 415-398-3249
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 388 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1..131
; OTHER INFORMATION: /note= "Nucleotides 1-131 are
; OTHER INFORMATION: unique flanking sequence"
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 132..235
; OTHER INFORMATION: /note= "Nucleotides 132-235 are
; OTHER INFORMATION: repeat sequence"
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 236..388
; OTHER INFORMATION: /note= "Nucleotides 236-388 are
; OTHER INFORMATION: unique flanking sequence"
;
; US-08-623-906A-13
;
; Alignment Scores:
; Pred. No.: 9.83 Length: 388
; Score: 8.00 Matches: 8
; Percent Similarity: 100.00% Conservative: 0
; Best Local Similarity: 100.00% Mismatches: 0
; Query Match: 8.25% Indels: 0
; DB: 2 Gaps: 0
;
; US-09-854-133-586 (1-97) x US-08-623-906A-13 (1-388)
;
; QY 23 ArgLysLysGluArgLysLysLys 30
; |||||
; DB 176 AGAAAGAAAGAAAGAAAGAA 153
;
; RESULT 30
; US-09-018-584A-22
; Sequence 22, Application US/09018584A
; Patent No. 6238863
; GENERAL INFORMATION:
; APPLICANT: Schumm, James W.
; APPLICANT: Bacher, Jeffery W.
; TITLE OF INVENTION: MATERIALS AND METHODS FOR
; TITLE OF INVENTION: IDENTIFYING AND ANALYZING INTERMEDIATE TANDEM
; TITLE OF INVENTION: REPEAT DNA MARKERS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Promega Corporation
; STREET: 2800 Woods Hollow Road
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: U.S.A.
; ZIP: 53711-5399
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette - 3.5 inch, 1.44 Mb
; COMPUTER: IBM compatible PC
; OPERATING SYSTEM: Windows 95
; SOFTWARE: Word 97 (DOS text format)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/018,584A
;
;

```

```
; FILING DATE: 04-Feb-1998
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Grady J. Frenchick
; REGISTRATION NUMBER: 29,018
; REFERENCE/DOCKET NUMBER: 16026.9180
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 257-3501
; TELEFAX: (608) 257-2275
; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 412 bp
; TYPE: Nucleic Acid
; STRANDEDNESS: Double
; TOPOLOGY: Circular
; MOLECULE TYPE: Genomic DNA
; HYPOTHETICAL: no
; IMMEDIATE SOURCE:
; LIBRARY: plasmid, pGem3zf(+)
; CLONE: G234
; POSITION IN GENOME:
; CHROMOSOME/SEGMENT: 16 qter
US-09-018-584A-22

Alignment Scores:
Pred. No.: 10.4 Length: 412
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 8.25% Indels: 0
DB: 3 Gaps: 0

US-09-854-133-586 (1-97) x US-09-018-584A-22 (1-412)

QY 22 LeuArgLysLysGluArgLysLys 29
|||
DB 49 CTCAGAAAAAGAAAGAAAGAAA 72

RESULT 31
US-08-623-906A-6
; Sequence 6, Application US/08623906A
; Patent No. 5874217
; GENERAL INFORMATION:
; APPLICANT: Stevenson, Tamara
; APPLICANT: Dvorak, Jan
; APPLICANT: Halverson, Joy
; TITLE OF INVENTION: Microsatellite Sequences for Canine
; TITLE OF INVENTION: Genotyping
; NUMBER OF SEQUENCES: 60
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FLEHR, HOHBACH, TEST, ALBRITTON & HERBERT
; STREET: 4 Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: CA
; COUNTRY: US
; ZIP: 94111-4187
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/623,906A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Sherwood, Pamela J.
; REGISTRATION NUMBER: 36,677
; REFERENCE/DOCKET NUMBER: A-62282/BIR
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-781-1989
; TELEFAX: 415-398-3249
; INFORMATION FOR SEQ ID NO: 6:
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; SEQUENCE CHARACTERISTICS:
; LENGTH: 454 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1..133
; OTHER INFORMATION: /note= "Nucleotides 1-133 are
; OTHER INFORMATION: unique flanking sequence"
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 134..307
; OTHER INFORMATION: /note= "Nucleotides 134-207 are
; OTHER INFORMATION: repeat sequence"
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 308..454
; OTHER INFORMATION: /note= "Nucleotides 308-454 are
; OTHER INFORMATION: unique flanking sequence"
US-08-623-906A-6

Alignment Scores:
Pred. No.: 11.4 Length: 454
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 8.25% Indels: 0
DB: 2 Gaps: 0

US-09-854-133-586 (1-97) x US-08-623-906A-6 (1-454)

QY 23 ArgLysLysGluArgLysLys 30
|||
DB 216 AGAAGAAAGAAAGAAAGAAAAG 239

RESULT 32
US-09-385-982-31
; Sequence 31, Application US/09385982
; Patent No. 6262334
; GENERAL INFORMATION:
; APPLICANT: ENDEGE, WILSON O., ET AL.
; TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
; TITLE OF INVENTION: PRODUCTS: II
; FILE REFERENCE: CCDNA-260XX
; CURRENT APPLICATION NUMBER: US/09/385,982
; CURRENT FILING DATE: 1999-08-30
; EARLIER APPLICATION NUMBER: 09/328,111
; EARLIER FILING DATE: 1999-06-08
; EARLIER APPLICATION NUMBER: 60/117,393
; EARLIER FILING DATE: 1999-01-27
; EARLIER APPLICATION NUMBER: 60/098,639
; EARLIER FILING DATE: 1998-08-31
; NUMBER OF SEQ ID NOS: 544
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 31
; LENGTH: 485
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(485)
; OTHER INFORMATION: n = A,T,C or G
US-09-385-982-31

Alignment Scores:
Pred. No.: 12.1 Length: 485
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 8.25% Indels: 0
DB: 3 Gaps: 0
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US-09-854-133-586 (1-97) x US-09-385-982-31 (1-485)

QY 23 ArgLysLysGluArgLysLysLys 30
Db 136 AGAAGAGAAAGAAAGAAAGAAAA 159

RESULT 33

US-08-332-766A-22
; Sequence 22, Application US/08332766A
; Patent No. 5843647
; GENERAL INFORMATION:
; APPLICANT: JEFFREYS, Alec J.
; APPLICANT: ARMOUR, John
; TITLE OF INVENTION: SIMPLE TANDEM REPEATS
; NUMBER OF SEQUENCES: 125
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CUSHMAN DARBY & CUSHMAN, L.L.P.
; STREET: 1100 New York Avenue, N.W.
; CITY: Washington
; STATE: D. C.
; COUNTRY: U.S.A.
; ZIP: 20005-3918

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/332,766A
; FILING DATE: 01-NOV-1994
; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9326052.9
; FILING DATE: 21-DEC-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: BIRD, Donald J.
; REGISTRATION NUMBER: 25,323
; REFERENCE/DOCKET NUMBER: 217211/M94/0434/GB
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 861-3000
; TELEFAX: (202) 822-0944
; TELEX: 6714627 CUSH

; INFORMATION FOR SEQ ID NO: 22:

; SEQUENCE CHARACTERISTICS:
; LENGTH: 494 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)

US-08-332-766A-22

Alignment Scores:
Pred. No.: 12.3 Length: 494
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 8.25% Indels: 0
DB: 2 Gaps: 0

US-09-854-133-586 (1-97) x US-08-332-766A-22 (1-494)

QY 23 ArgLysLysGluArgLysLysLys 30
Db 108 AGAAGAGAAAGAAAGAAAGAAAA 131

RESULT 34

US-09-103-359-4
; Sequence 4, Application US/09103359
; Patent No. 6057108
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Bandman, Olga

; APPLICANT: Guegler, Karl J.
; APPLICANT: Corley, Neil C.
; APPLICANT: Yue, Henry
; APPLICANT: Patterson, Chandra
; TITLE OF INVENTION: HUMAN ARF-RELATED PROTEINS
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/103,359
; FILING DATE: HEREWITH
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Cerrone, Michael C
; REGISTRATION NUMBER: 39,132
; REFERENCE/DOCKET NUMBER: PF-0537 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-855-0555
; TELEFAX: 650-855-0572
; TELEX:

; INFORMATION FOR SEQ ID NO: 4:

; SEQUENCE CHARACTERISTICS:
; LENGTH: 1005 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: COLNNOT13
; CLONE: 1333754
; US-09-103-359-4

Alignment Scores:
Pred. No.: 23.8 Length: 1005
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 8.25% Indels: 0
DB: 3 Gaps: 0

US-09-854-133-586 (1-97) x US-09-103-359-4 (1-1005)

QY 23 ArgLysLysGluArgLysLysLys 30
Db 115 AGAAGAGAAAGAAAGAAAGAAAA 138

RESULT 35

US-08-097-938-3
; Sequence 3, Application US/08097938
; Patent No. 5629174
; GENERAL INFORMATION:

; APPLICANT: SUNDELIN, JOHAN
; APPLICANT: SCARBOROUGH, ROBERT M.
; TITLE OF INVENTION: RECOMBINANT C140 RECEPTOR AND ITS
; TITLE OF INVENTION: AGONISTS AND ANTAGONISTS
; NUMBER OF SEQUENCES: 59
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FOERSTER
; STREET: 2000 Pennsylvania Ave. N.W., Ste. 5500
; CITY: Washington, D.C.
; COUNTRY: USA

ZIP: 20006-1812
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/097,938
FILING DATE: 26-JUL-1993
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: MURASHIGE, KATE H.
REGISTRATION NUMBER: 29,959
REFERENCE/DOCKET NUMBER: 22803-20006.00
TELEPHONE: (202) 887-1500
TELEFAX: (202) 887-0763
TELEX: 90-4030
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1255 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
FEATURE:
NAME/KEY: CDS
LOCATION: 56..1249
FEATURE:
NAME/KEY: mat_peptide
LOCATION: 56
US-08-097-938-3

Alignment Scores:
Pred. No.: 29.3 Length: 1255
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 8.25% Indels: 0
DB: 1 Gaps: 0

US-09-854-133-586 (1-97) x US-08-097-938-3 (1-1255):

QY 11 LeuGlyAspSerGluThrLeuSer 18
|||||
Db 11 CTGGGTGACAGCGAGACCCCTGTCT 34

RESULT 36

US-08-476-000-3
Sequence 3, Application US/08476000
Patent No. 5716789
GENERAL INFORMATION:
APPLICANT: SUNDELIN, JOHAN
APPLICANT: SCARBOROUGH, ROBERT M.
TITLE OF INVENTION: RECOMBINANT C140 RECEPTOR, ITS AGONISTS
TITLE OF INVENTION: AND ANTAGONISTS, AND NUCLEIC ACIDS ENCODING THE RECEPTOR
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 2000 Pennsylvania Ave. N.W., Ste. 5500
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20006-1812
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/476,000
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/390,301
FILING DATE: 25-JAN-1995
ATTORNEY/AGENT INFORMATION:
NAME: ADLER, REID G.
REGISTRATION NUMBER: 30,988
REFERENCE/DOCKET NUMBER: 2803-0006.20
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 887-1500
TELEFAX: (202) 887-0763
TELEX: 90-4030
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1255 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
FEATURE:
NAME/KEY: CDS
LOCATION: 56..1249
FEATURE:
NAME/KEY: mat_peptide
LOCATION: 56
US-08-476-000-3

Alignment Scores:
Pred. No.: 29.3 Length: 1255
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 8.25% Indels: 0
DB: 1 Gaps: 0

US-09-854-133-586 (1-97) x US-08-476-000-3 (1-1255)

QY 11 LeuGlyAspSerGluThrLeuSer 18
|||||
Db 11 CTGGGTGACAGCGAGACCCCTGTCT 34

RESULT 37

US-08-472-840-3
Sequence 3, Application US/08472840
Patent No. 5763575
GENERAL INFORMATION:
APPLICANT: SUNDELIN, JOHAN
APPLICANT: SCARBOROUGH, ROBERT M.
TITLE OF INVENTION: RECOMBINANT C140 RECEPTOR, ITS AGONISTS
TITLE OF INVENTION: AND ANTAGONISTS, AND NUCLEIC ACIDS ENCODING THE RECEPTOR
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 2000 Pennsylvania Ave. N.W., Ste. 5500
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20006-1812
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/472,840
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/390,301
FILING DATE: 25-JAN-1995
ATTORNEY/AGENT INFORMATION:
NAME: ADLER, REID G.
REGISTRATION NUMBER: 30,988
REFERENCE/DOCKET NUMBER: 2803-0006.20
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 887-1500

```
/ ; TELEFAX: (202) 887-0763
/ ; TELEX: 90-4030
/ ; INFORMATION FOR SEQ ID NO: 3:
/ ; SEQUENCE CHARACTERISTICS:
/ ; LENGTH: 1255 base pairs
/ ; TYPE: nucleic acid
/ ; STRANDEDNESS: single
/ ; TOPOLOGY: linear
/ ; FEATURE:
/ ; NAME/KEY: CDS
/ ; LOCATION: 56..1249
/ ; FEATURE:
/ ; NAME/KEY: mat_peptide
/ ; LOCATION: 56
US-08-472-840-3

Alignment Scores:
Pred. No.: 29.3 Length: 1255
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 8.25% Indels: 0
DB: 1 Gaps: 0

US-09-854-133-586 (1-97) x US-08-472-840-3 (1-1255)

QY 11 LeuGlyAspSerGluThrLeuSer 18
| | | | | | | | | | | | | | | | | |
Db 11 CTGGGTGACAGCGAGACCTGTCT 34

RESULT 38
US-08-476-976-3
; Sequence 3, Application US/08476976
; Patent No. 5874400
; GENERAL INFORMATION:
; APPLICANT: SUNDELIN, JOHAN
; APPLICANT: SCARBOROUGH, ROBERT M.
; TITLE OF INVENTION: RECOMBINANT C140 RECEPTOR, ITS AGONISTS
; TITLE OF INVENTION: AND ANTAGONISTS, AND NUCLEIC ACIDS ENCODING THE RECEPTOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FOERSTER
; STREET: 2000 Pennsylvania Ave. N.W., Ste. 5500
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20006-1812
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/476,976
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/390,301
; FILING DATE: 25-JAN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: ADLER, REID G.
; REGISTRATION NUMBER: 30,988
; REFERENCE/DOCKET NUMBER: 2803-0006.20
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 887-1500
; TELEFAX: (202) 887-0763
; TELEX: 90-4030
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1255 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
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/ ; FEATURE:
/ ; NAME/KEY: CDS
/ ; LOCATION: 56..1249
/ ; FEATURE:
/ ; NAME/KEY: mat_peptide
/ ; LOCATION: 56
US-08-476-976-3

Alignment Scores:
Pred. No.: 29.3 Length: 1255
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 8.25% Indels: 0
DB: 2 Gaps: 0

US-09-854-133-586 (1-97) x US-08-476-976-3 (1-1255)

QY 11 LeuGlyAspSerGluThrLeuSer 18
| | | | | | | | | | | | | | | | | |
Db 11 CTGGGTGACAGCGAGACCTGTCT 34

RESULT 39
US-08-474-410-3
; Sequence 3, Application US/08474410
; Patent No. 6043212
; GENERAL INFORMATION:
; APPLICANT: SUNDELIN, JOHAN
; APPLICANT: SCARBOROUGH, ROBERT M.
; TITLE OF INVENTION: RECOMBINANT C140 RECEPTOR, ITS AGONISTS
; TITLE OF INVENTION: AND ANTAGONISTS, AND NUCLEIC ACIDS ENCODING THE RECEPTOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FOERSTER
; STREET: 2000 Pennsylvania Ave. N.W., Ste. 5500
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20006-1812
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/474,410
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/390,301
; FILING DATE: 25-JAN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: ADLER, REID G.
; REGISTRATION NUMBER: 30,988
; REFERENCE/DOCKET NUMBER: 2803-0006.20
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 887-1500
; TELEFAX: (202) 887-0763
; TELEX: 90-4030
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1255 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 56..1249
; FEATURE:
; NAME/KEY: mat_peptide
; LOCATION: 56
US-08-474-410-3
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Alignment Scores:
Pred. No.: 29.3 Length: 1255
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 8.25% Indels: 0
DB: 3 Gaps: 0

US-09-854-133-586 (1-97) x US-08-474-410-3 (1-1255)

Qy 11 LeuGlyAspSerGluThrLeuSer 18
Db 11 CTGGGTGACAGCGAGACCCCTGTCT 34

RESULT 40

US-08-486-673B-3
; Sequence 3, Application US/08486673B
; Patent No. 6297026
; GENERAL INFORMATION:
; APPLICANT: Sundelin, Johan
; APPLICANT: Scarborough, Robert M.
; TITLE OF INVENTION: Nucleic Acids Encoding the C140 Receptor
; FILE REFERENCE: 44481-5006-08-US
; CURRENT APPLICATION NUMBER: US/08/486,673B
; CURRENT FILING DATE: 1995-06-07
; PRIOR APPLICATION NUMBER: US 08/097,938
; PRIOR FILING DATE: 1993-07-26
; PRIOR APPLICATION NUMBER: PCT/US94/08536
; PRIOR FILING DATE: 1994-07-26
; NUMBER OF SEQ ID NOS: 63
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 1255
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (56)..(1249)
; OTHER INFORMATION: C140 receptor, genomic DNA and deduced protein
; OTHER INFORMATION: sequences
US-08-486-673B-3

Alignment Scores:
Pred. No.: 29.3 Length: 1255
Score: 8.00 Matches: 8
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 8.25% Indels: 0
DB: 3 Gaps: 0

US-09-854-133-586 (1-97) x US-08-486-673B-3 (1-1255)

Qy 11 LeuGlyAspSerGluThrLeuSer 18
Db 11 CTGGGTGACAGCGAGACCCCTGTCT 34

Search completed: October 30, 2003, 16:01:01
Job time : 131.673 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - nucleic search, using frame_plus_p2n model

Run on: October 30, 2003, 15:15:53 ; Search time 250.655 Seconds
(without alignments)
1052.522 Million cell updates/sec

Title: US-09-854-133-586
Perfect score: 97
Sequence: 1 EVEVSRDHASLGDSLTLSQT.....LTGGCLPWATRSHLGRKCS 97

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Ygapop 60.0 , Ygapext 60.0
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 1811591 seqs, 1359896290 residues

Word size: 1
Total number of hits satisfying chosen parameters: 3617477

Minimum DB seq length: 0
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Post-processing: Listing first 1000 summaries

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-DB=Published Applications NA -QFMT=fastap -SUFFIX=oligo.rnpb -MINMATCH=0.1
-LOOPCL=0 -LOOPEXT=0 -UNITS=bits -START=1 -END=-1 -MATRIX=oligo
-TRANS=human40.cdi -LIST=1000 -DOCLIGN=200 -THR SCORE=quality -THR_MIN=1
-ALIGN=40 -MODE=LOCAL -OUTFMT=pto -NORM=ext -HEAPSIZE=500 -MINLEN=0
-MAXLEN=2000000000 -USER=US09854133 @CGN_1_1 213 @runat 28102003 155811_7225
-NCPU=6 -ICPU=3 -NO MMAP -LARGEQUERY -NEG SCORES=0 -WAIT -DSPBLOCK=100
-LONGLOG -DEV TIMEOUT=120 -WARN TIMEOUT=30 -THREADS=1 -XGAPOP=60 -XGAPEXT=60
-FGAPOP=6 -FGAPEXT=7 -YGAPOP=60 -YGAPEXT=60 -DELOP=6 -DELEXT=7

Database : Published Applications NA:
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10: /cgn2_6/ptodata/2/pubpna/US09B_PUBCOMB.seq.*
11: /cgn2_6/ptodata/2/pubpna/US09C_PUBCOMB.seq.*
12: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq.*
13: /cgn2_6/ptodata/2/pubpna/US10A_PUBCOMB.seq.*
14: /cgn2_6/ptodata/2/pubpna/US10B_PUBCOMB.seq.*
15: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq.*
16: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq.*
17: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES				
Result No.	Score	Query Match	Length DB ID	Description
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2	97	100.0	337	10 US-09-854-133-442 Sequence 442, App
3	97	100.0	337	14 US-10-144-649A-442 Sequence 442, App
4	97	100.0	342	14 US-10-144-649A-741 Sequence 741, App
5	97	100.0	6080	14 US-10-144-649A-740 Sequence 740, App
6	96	99.0	5981	10 US-09-738-973-441 Sequence 441, App
7	96	99.0	5981	10 US-09-854-133-441 Sequence 441, App
8	96	99.0	5981	14 US-10-144-649A-441 Sequence 441, App
9	93	95.9	2239	10 US-09-738-973-440 Sequence 440, App
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11	93	95.9	2239	14 US-10-144-649A-440 Sequence 440, App
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c 537	9	9.3	546	13	US-10-027-632-208635	Sequence 208635,	c 610	9	9.3	2561	13	US-10-027-632-265337	Sequence 265337,
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c 539	9	9.3	551	13	US-10-027-632-71673	Sequence 71673, A	612	9	9.3	2936	13	US-10-027-632-253865	Sequence 253865,
540	9	9.3	553	9	US-09-864-761-30549	Sequence 30549, A	613	9	9.3	2936	13	US-10-027-632-253866	Sequence 253866,
541	9	9.3	560	13	US-10-027-632-219963	Sequence 219963,	614	9	9.3	2936	13	US-10-027-632-253867	Sequence 253867,
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c 543	9	9.3	565	13	US-10-027-632-282996	Sequence 282996,	616	9	9.3	2936	13	US-10-027-632-253869	Sequence 253869,
c 544	9	9.3	569	13	US-10-027-632-51174	Sequence 51174, A	617	9	9.3	4092	11	US-09-925-388-5	Sequence 5, Appli
545	9	9.3	572	13	US-10-027-632-182516	Sequence 182516,	618	9	9.3	4092	12	US-10-431-846-5	Sequence 5, Appli
c 546	9	9.3	576	13	US-10-027-632-90785	Sequence 90785, A	619	9	9.3	5586	12	US-10-311-455-621	Sequence 621, App
c 547	9	9.3	587	13	US-10-027-632-131567	Sequence 131567,	620	9	9.3	8841	10	US-09-954-531-1351	Sequence 1351, Ap
c 548	9	9.3	590	13	US-10-027-632-290655	Sequence 290655,	621	9	9.3	10039	12	US-10-311-455-2016	Sequence 2016, Ap
c 549	9	9.3	590	13	US-10-027-632-290656	Sequence 290656,	622	9	9.3	10369	12	US-10-311-455-366	Sequence 366, App
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553	9	9.3	606	13	US-10-027-632-5636	Sequence 5636, Ap	626	9	9.3	13862	14	US-10-205-428-1003	Sequence 1003, Ap
c 554	9	9.3	611	13	US-10-027-632-206723	Sequence 206723,	627	9	9.3	14568	12	US-10-311-455-204	Sequence 204, App
c 555	9	9.3	611	13	US-10-027-632-206724	Sequence 206724,	c 628	9	9.3	27893	12	US-10-017-161-757	Sequence 757, App
c 556	9	9.3	611	13	US-10-027-632-231472	Sequence 231472,	c 629	9	9.3	32767	12	US-10-004-113-1	Sequence 1, Appli
c 557	9	9.3	612	13	US-10-027-632-113707	Sequence 113707,	c 630	9	9.3	54945	11	US-09-967-669-10	Sequence 10, Appl
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c 561	9	9.3	618	13	US-10-027-632-96765	Sequence 96765, A	634	9	9.3	74868	14	US-10-175-523-67	Sequence 67, Appl
c 562	9	9.3	618	13	US-10-027-632-308357	Sequence 308357,	c 635	9	9.3	130427	14	US-10-175-523-87	Sequence 87, Appl
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c 565	9	9.3	648	13	US-10-027-632-112653	Sequence 112653,	638	9	9.3	167343	9	US-09-962-436-281	Sequence 281, App
c 566	9	9.3	648	13	US-10-027-632-112654	Sequence 112654,	639	9	9.3	167343	10	US-09-964-824A-273	Sequence 273, App
c 567	9	9.3	650	13	US-10-027-632-124138	Sequence 124138,	c 640	9	9.3	170834	9	US-09-835-232-7	Sequence 7, Appli
c 568	9	9.3	650	13	US-10-027-632-223281	Sequence 223281,	c 641	9	9.3	170834	12	US-10-308-485-7	Sequence 7, Appli
c 569	9	9.3	660	13	US-10-027-632-129483	Sequence 129483,	642	9	9.3	174424	10	US-09-967-768A-314	Sequence 314, App
c 570	9	9.3	660	13	US-10-027-632-129484	Sequence 129484,	c 643	9	9.3	174424	10	US-09-967-768A-314	Sequence 314, App
571	9	9.3	660	13	US-10-027-632-249667	Sequence 249667,	644	9	9.3	174424	12	US-09-960-706-969	Sequence 969, App
572	9	9.3	660	13	US-10-027-632-249668	Sequence 249668,	c 645	9	9.3	174424	12	US-09-960-706-969	Sequence 969, App
573	9	9.3	660	13	US-10-027-632-249669	Sequence 249669,	646	9	9.3	180216	9	US-09-835-232-6	Sequence 6, Appli
574	9	9.3	690	13	US-10-027-632-23996	Sequence 23996, A	647	9	9.3	180216	12	US-10-308-485-6	Sequence 6, Appli
575	9	9.3	690	13	US-10-027-632-23997	Sequence 23997, A	648	9	9.3	180557	13	US-10-003-806-6	Sequence 6, Appli
576	9	9.3	721	13	US-10-027-632-162923	Sequence 162923,	649	9	9.3	180557	13	US-10-003-806-9	Sequence 9, Appli
577	9	9.3	721	13	US-10-027-632-162924	Sequence 162924,	c 650	9	9.3	203654	10	US-09-820-905-3	Sequence 3, Appli
578	9	9.3	738	13	US-10-027-632-139602	Sequence 139602,	c 651	9	9.3	254366	11	US-09-822-871-3	Sequence 3, Appli
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c 580	9	9.3	749	13	US-10-027-632-151080	Sequence 151080,	c 653	9	9.3	1503841	9	US-09-795-668-1	Sequence 1, Appli
c 581	9	9.3	773	10	US-10-027-632-151081	Sequence 151081,	c 654	9	9.3	1503841	10	US-09-946-807-1	Sequence 1, Appli
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c 583	9	9.3	783	13	US-10-027-632-155872	Sequence 155872,	656	8	8.2	65	12	US-09-908-975-2773	Sequence 2773, Ap
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585	9	9.3	784	13	US-10-027-632-30211	Sequence 30211, A	c 658	8	8.2	126	12	US-09-910-183A-10	Sequence 10, Appl

C 659	8	8.2	130	12	US-09-910-183A-11	Sequence 11, Appl	C 732	8	8.2	454	11	US-09-918-995-11910	Sequence 11910, A
C 660	8	8.2	134	12	US-09-910-183A-12	Sequence 12, Appl	C 733	8	8.2	454	14	US-10-198-846-10032	Sequence 10032, A
C 661	8	8.2	136	10	US-09-969-373-1455	Sequence 1455, Ap	C 734	8	8.2	456	13	US-10-027-632-135628	Sequence 135628, A
C 662	8	8.2	159	10	US-09-867-701-8907	Sequence 8907, Ap	C 735	8	8.2	456	13	US-10-027-632-135629	Sequence 135629, A
C 663	8	8.2	164	10	US-09-867-701-8816	Sequence 8816, Ap	C 736	8	8.2	456	13	US-10-027-632-282798	Sequence 282798, A
C 664	8	8.2	170	12	US-09-910-183A-13	Sequence 13, Appl	C 737	8	8.2	458	13	US-10-027-632-35394	Sequence 35394, A
C 665	8	8.2	173	10	US-09-867-701-9216	Sequence 9216, Ap	C 738	8	8.2	459	11	US-09-918-995-35718	Sequence 35718, A
C 666	8	8.2	174	12	US-09-910-183A-14	Sequence 14, Appl	C 739	8	8.2	462	13	US-10-027-632-184356	Sequence 184356, A
C 667	8	8.2	178	12	US-09-910-183A-15	Sequence 15, Appl	C 740	8	8.2	469	13	US-10-001-873-8	Sequence 8, Appl
C 668	8	8.2	182	12	US-09-910-183A-16	Sequence 16, Appl	C 741	8	8.2	473	11	US-09-918-995-2985	Sequence 2985, Ap
C 669	8	8.2	190	12	US-09-910-183A-17	Sequence 17, Appl	C 742	8	8.2	473	13	US-10-027-632-80842	Sequence 80842, A
C 670	8	8.2	194	12	US-09-910-183A-18	Sequence 18, Appl	C 743	8	8.2	473	13	US-10-027-632-315214	Sequence 315214, A
C 671	8	8.2	200	10	US-09-867-701-8784	Sequence 8784, Ap	C 744	8	8.2	476	11	US-09-918-995-26456	Sequence 26456, A
C 672	8	8.2	214	10	US-09-867-701-9561	Sequence 9561, Ap	C 745	8	8.2	481	13	US-10-027-632-301076	Sequence 301076, A
C 673	8	8.2	225	10	US-09-867-701-8652	Sequence 8652, Ap	C 746	8	8.2	485	11	US-09-871-161-31	Sequence 31, Appl
C 674	8	8.2	244	10	US-09-867-701-8845	Sequence 8845, Ap	C 747	8	8.2	495	11	US-09-918-995-23201	Sequence 23201, A
C 675	8	8.2	246	10	US-09-867-701-8785	Sequence 8785, Ap	C 748	8	8.2	497	10	US-09-783-590-2467	Sequence 2467, Ap
C 676	8	8.2	246	10	US-09-867-701-8834	Sequence 8834, Ap	C 749	8	8.2	498	13	US-10-027-632-266459	Sequence 266459, A
C 677	8	8.2	246	13	US-10-027-632-153450	Sequence 153450, A	C 750	8	8.2	498	13	US-10-027-632-266814	Sequence 266814, A
C 678	8	8.2	249	10	US-09-867-701-8668	Sequence 8668, Ap	C 751	8	8.2	499	13	US-10-027-632-195772	Sequence 195772, A
C 679	8	8.2	256	10	US-09-867-701-9347	Sequence 9347, Ap	C 752	8	8.2	499	13	US-10-027-632-266952	Sequence 266952, A
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C 681	8	8.2	260	10	US-09-902-941-1208	Sequence 1208, Ap	C 754	8	8.2	512	13	US-10-027-632-39159	Sequence 39159, A
C 682	8	8.2	260	10	US-09-849-626-1208	Sequence 1208, Ap	C 755	8	8.2	512	13	US-10-027-632-60867	Sequence 60867, A
C 683	8	8.2	260	12	US-10-113-872-1208	Sequence 1208, Ap	C 756	8	8.2	512	13	US-10-027-632-60868	Sequence 60868, A
C 684	8	8.2	260	14	US-10-017-754-1208	Sequence 1208, Ap	C 757	8	8.2	514	13	US-10-027-632-282799	Sequence 282799, A
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C 686	8	8.2	286	10	US-09-867-701-8693	Sequence 8693, Ap	C 759	8	8.2	517	13	US-10-027-632-280515	Sequence 280515, A
C 687	8	8.2	292	10	US-09-867-701-9583	Sequence 9583, Ap	C 760	8	8.2	521	13	US-10-027-632-277526	Sequence 277526, A
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C 689	8	8.2	299	10	US-09-867-701-9596	Sequence 9596, Ap	C 762	8	8.2	526	12	US-10-029-386-10284	Sequence 10284, A
C 690	8	8.2	307	10	US-09-867-701-9416	Sequence 9416, Ap	C 763	8	8.2	528	13	US-10-027-632-287385	Sequence 287385, A
C 691	8	8.2	336	14	US-10-060-036-1974	Sequence 1974, Ap	C 764	8	8.2	530	13	US-10-027-632-256531	Sequence 256531, A
C 692	8	8.2	363	11	US-09-803-719-1966	Sequence 1966, Ap	C 765	8	8.2	530	13	US-10-027-632-280444	Sequence 280444, A
C 693	8	8.2	363	11	US-09-803-719-1967	Sequence 1967, Ap	C 766	8	8.2	534	13	US-10-027-632-133118	Sequence 133118, A
C 694	8	8.2	368	11	US-09-918-995-18580	Sequence 18580, A	C 767	8	8.2	541	13	US-10-027-632-92856	Sequence 92856, A
C 695	8	8.2	368	13	US-10-040-739-1102	Sequence 1102, Ap	C 768	8	8.2	541	13	US-10-027-632-318066	Sequence 318066, A
C 696	8	8.2	373	13	US-10-027-632-79139	Sequence 79139, A	C 769	8	8.2	544	13	US-10-027-632-191654	Sequence 191654, A
C 697	8	8.2	373	13	US-10-027-632-314691	Sequence 314691, A	C 770	8	8.2	544	13	US-10-027-632-191655	Sequence 191655, A
C 698	8	8.2	374	10	US-09-783-590-3346	Sequence 3346, Ap	C 771	8	8.2	548	13	US-10-027-632-43401	Sequence 43401, A
C 699	8	8.2	374	10	US-09-867-701-8923	Sequence 8923, Ap	C 772	8	8.2	549	13	US-10-027-632-37032	Sequence 37032, A
C 700	8	8.2	381	13	US-10-027-632-284315	Sequence 284315, A	C 773	8	8.2	549	13	US-10-027-632-37033	Sequence 37033, A
C 701	8	8.2	381	13	US-10-027-632-284316	Sequence 284316, A	C 774	8	8.2	554	13	US-10-027-632-207751	Sequence 207751, A
C 702	8	8.2	381	13	US-10-027-632-284317	Sequence 284317, A	C 775	8	8.2	554	13	US-10-027-632-271960	Sequence 271960, A
C 703	8	8.2	381	13	US-10-027-632-284318	Sequence 284318, A	C 776	8	8.2	554	13	US-10-027-632-271962	Sequence 271962, A
C 704	8	8.2	381	13	US-10-027-632-284319	Sequence 284319, A	C 777	8	8.2	556	13	US-10-027-632-254338	Sequence 254338, A
C 705	8	8.2	382	12	US-09-814-353-3996	Sequence 3996, Ap	C 778	8	8.2	559	13	US-10-027-632-105537	Sequence 105537, A
C 706	8	8.2	382	12	US-09-814-353-10304	Sequence 10304, A	C 779	8	8.2	559	13	US-10-027-632-211362	Sequence 211362, A
C 707	8	8.2	391	10	US-09-867-701-8176	Sequence 8176, Ap	C 780	8	8.2	559	13	US-10-027-632-221675	Sequence 221675, A
C 708	8	8.2	394	10	US-09-867-701-8931	Sequence 8931, Ap	C 781	8	8.2	560	13	US-10-027-632-159992	Sequence 159992, A
C 709	8	8.2	401	10	US-09-728-445-160	Sequence 160, App	C 782	8	8.2	560	13	US-10-027-632-159993	Sequence 159993, A
C 710	8	8.2	412	9	US-09-784-423-22	Sequence 22, Appl	C 783	8	8.2	560	13	US-10-027-632-159994	Sequence 159994, A
C 711	8	8.2	417	12	US-09-814-353-2759	Sequence 2759, Ap	C 784	8	8.2	566	9	US-09-764-887-413	Sequence 413, App
C 712	8	8.2	417	12	US-09-814-353-9092	Sequence 9092, Ap	C 785	8	8.2	566	14	US-10-073-961-413	Sequence 413, App
C 713	8	8.2	433	11	US-09-918-995-1987	Sequence 1987, Ap	C 786	8	8.2	572	13	US-10-027-632-51351	Sequence 51351, A
C 714	8	8.2	435	13	US-10-027-632-60377	Sequence 60277, A	C 787	8	8.2	572	13	US-10-027-632-64685	Sequence 64685, A
C 715	8	8.2	435	13	US-10-027-632-309537	Sequence 309537, A	C 788	8	8.2	572	13	US-10-027-632-215791	Sequence 215791, A
C 716	8	8.2	436	13	US-10-027-632-75215	Sequence 75215, A	C 789	8	8.2	572	13	US-10-027-632-296539	Sequence 296539, A
C 717	8	8.2	436	13	US-10-027-632-75216	Sequence 75216, A	C 790	8	8.2	575	13	US-10-027-632-83575	Sequence 83575, A
C 718	8	8.2	436	13	US-10-027-632-313517	Sequence 313517, A	C 791	8	8.2	577	13	US-10-027-632-231482	Sequence 231482, A
C 719	8	8.2	436	13	US-10-027-632-313518	Sequence 313518, A	C 792	8	8.2	580	13	US-10-027-632-277528	Sequence 277528, A
C 720	8	8.2	439	13	US-10-060-036-2195	Sequence 2195, Ap	C 793	8	8.2	584	13	US-10-027-632-66886	Sequence 66886, A
C 721	8	8.2	439	13	US-10-027-632-68339	Sequence 68339, A	C 794	8	8.2	585	9	US-09-864-761-12310	Sequence 12310, A
C 722	8	8.2	439	13	US-10-027-632-68340	Sequence 68340, A	C 795	8	8.2	585	13	US-10-027-632-194465	Sequence 194465, A
C 723	8	8.2	439	13	US-10-027-632-295071	Sequence 295071, A	C 796	8	8.2	585	13	US-10-027-632-194465	Sequence 194465, A
C 724	8	8.2	442	13	US-10-027-632-295072	Sequence 295072, A	C 797	8	8.2	587	13	US-10-027-632-76711	Sequence 76711, A
C 725	8	8.2	444	13	US-10-027-632-184185	Sequence 184185, A	C 798	8	8.2	587	13	US-10-027-632-76712	Sequence 76712, A
C 726	8	8.2	444	13	US-10-027-632-289248	Sequence 289248, A	C 799	8	8.2	587	13	US-10-027-632-82085	Sequence 82085, A
C 727	8	8.2	444	13	US-10-027-632-289249	Sequence 289249, A	C 800	8	8.2	587	13	US-10-027-632-313795	Sequence 313795, A
C 728	8	8.2	444	13	US-10-027-632-298987	Sequence 298987, A	C 801	8	8.2	592	13	US-10-027-632-313796	Sequence 313796, A
C 729	8	8.2	449	9	US-09-764-869-1697	Sequence 1697, Ap	C 802	8	8.2	593	13	US-10-027-632-69031	Sequence 69031, A
C 730	8	8.2	449	13	US-10-027-632-35426	Sequence 35426, A	C 803	8	8.2	594	13	US-10-027-632-247815	Sequence 247815, A
C 731	8	8.2	452	10	US-10-091-504-1697	Sequence 1697, Ap	C 804	8	8.2	594	13	US-10-027-632-205280	Sequence 205280, A
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c 808	8	8.2	595	13	US-10-027-632-126263	Sequence 126263,	881	8	8.2	684	13	US-10-027-632-21356	Sequence 21356, A
c 809	8	8.2	595	13	US-10-027-632-190368	Sequence 190368,	c 882	8	8.2	689	13	US-10-027-632-163667	Sequence 163667,
c 810	8	8.2	596	13	US-10-027-632-8805	Sequence 8805, Ap	883	8	8.2	694	13	US-10-027-632-129185	Sequence 129185,
c 811	8	8.2	598	13	US-10-027-632-206215	Sequence 206215,	884	8	8.2	694	13	US-10-027-632-129186	Sequence 129186,
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c 817	8	8.2	611	13	US-10-027-632-7443	Sequence 7443, Ap	890	8	8.2	710	13	US-10-027-632-136691	Sequence 136691,
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c 820	8	8.2	612	13	US-10-027-632-131097	Sequence 131097,	893	8	8.2	715	13	US-10-027-632-150094	Sequence 150094,
c 821	8	8.2	614	13	US-10-027-632-7232	Sequence 7232, Ap	894	8	8.2	715	13	US-10-027-632-150095	Sequence 150095,
c 822	8	8.2	614	13	US-10-027-632-266526	Sequence 266526,	c 895	8	8.2	716	13	US-10-027-632-152087	Sequence 152087,
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c 827	8	8.2	616	13	US-10-027-632-96947	Sequence 96947, A	c 900	8	8.2	722	13	US-10-027-632-139629	Sequence 139629,
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847	8	8.2	636	13	US-10-027-632-308921	Sequence 308921,	c 920	8	8.2	766	13	US-10-027-632-30730	Sequence 30730, A
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997 8 8.2 1180 14 US-10-091-572-221
998 8 8.2 1192 14 US-10-278-173-151
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ALIGNMENTS

RESULT 1
US-09-738-973-442
; Sequence 442, Application US/09738973
; Patent No. US20020110563A1
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Fling, Steven P.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Algate, Paul A.
; APPLICANT: Secrist, Heather
; APPLICANT: Indirias, Carol Yoseph
; APPLICANT: Benson, Darin R.
; APPLICANT: Elliot, Mark
; APPLICANT: Mannion, Jane
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; THE THERAPY AND DIAGNOSIS OF LUNG CANCER

Sequence 157049,
Sequence 172597,
Sequence 167223,
Sequence 161254,
Sequence 159807,
Sequence 168511,
Sequence 168512,
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Sequence 168267,
Sequence 168268,
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Sequence 159031,
Sequence 121898,
Sequence 121899,
Sequence 1701, Ap
Sequence 119782,
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Sequence 165095,
Sequence 249122,
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Sequence 249124,
Sequence 249125,
Sequence 21014, A
Sequence 120871,
Sequence 6, Appli
Sequence 23, Appl
Sequence 207750,
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Sequence 257061,
Sequence 257062,
Sequence 3373, Ap
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Sequence 232760,
Sequence 2683, Ap
Sequence 221, App
Sequence 151, App
Sequence 205347,
Sequence 2193, Ap

; FILE REFERENCE: 210121.475C9
; CURRENT APPLICATION NUMBER: US/09/738,973
; CURRENT FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 587
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 442
; LENGTH: 337
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-738-973-442

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Pred. No.: 1.64e-93 Length: 337
Score: 97.00 Matches: 97
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 10 Gaps: 0

US-09-854-133-586 (1-97) x US-09-738-973-442 (1-337)

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Qy 21 GluLeuArgLysLysGluArgLysLysArgGluArgLysPheGlnAlaAsnCysGly 40
Db 65 GAATTAAGGAAAAAGAAAGAAAAAGAGAGAGAGAGAAATTCAGGCCAATTGTGGC 124
Qy 41 IleAspPheIleIlePheTrpIlePheTrpIleLeuLeuPheSerHisHisTrpIleGln 60
Db 125 AFAGATTTATCATATTCTGGATTTTGGATTTCTTTGTTTCTCTCATCTGATTTCAG 184
Qy 61 GluSerLeuLeuCysProProSerProLysGluValThrCysArgGluMetLeuThrGly 80
Db 185 GAAAGCCTGTTGTGTCCACCATCTCCAAGGAGGTTTACCTGGCAGGGAATGTTAACGGGA 244
Qy 81 GlyCysLeuProTrpAlaThrArgSerHisLeuGlyArgArgLysCysSer 97
Db 245 GGCTGCCTTCCCTGGGCAACAAGGAGCCACCTGGGCGAGAGAAAGTGCAGC 295

RESULT 2

US-09-854-133-442
; Sequence 442, Application US/09854133
; Publication No. US20020183499A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Henderson, Robert A.
; APPLICANT: Benson, Darin R.
; APPLICANT: Secrist, Heather
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C10
; CURRENT APPLICATION NUMBER: US/09/854,133
; CURRENT FILING DATE: 2001-05-11
; NUMBER OF SEQ ID NOS: 735
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 442
; LENGTH: 337
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-854-133-442

Alignment Scores:
Pred. No.: 1.64e-93 Length: 337
Score: 97.00 Matches: 97
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 10 Gaps: 0

US-09-854-133-586 (1-97) x US-09-854-133-442 (1-337)

QY 1 GluValGluValSerArgAspHisAlaSerLeuGlyAspSerGluThrLeuSerGlnThr 20
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QY 21 GluLeuArgLysLysGluArgLysLysLysArgGluArgLysPheGlnAlaAsnCysGly 40
Db 65 GAATTAAGGAAAAAAGAAAGAAAAAGAGAGAGAGAGAAATCCAGGCCAATTGTGGC 124
QY 41 IleAspPheIlePheTrpIlePheTrpIleLeuLeuPheSerHisHisTrpIleGln 60
Db 125 ATAGATTTTATCATATTCTGGATTTTGGATTCTTTTGTGTTCTCATCTGGATTCAG 184
QY 61 GluSerLeuLeuCysProProSerProLysGluValThrCysArgGluMetLeuThrGly 80
Db 185 GAAAGCCTGTTGTGTCCACCATCTCCAAAGGAGGTTACCTCGAGGGAATGTTAACGGGA 244
QY 81 GlyCysLeuProTrpAlaThrArgSerHisLeuGlyArgArgLysCysSer 97
Db 245 GGCTGCCTTCCCTGGGCAACAAGGAGCCACCTGGGCAGGAGAAAGTGCAGC 295

RESULT 3
US-10-144-649A-442
; Sequence 442, Application US/10144649A
; Publication No. US20030118599A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Algate, Paul A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; FILE REFERENCE: 210121.475C11
; CURRENT APPLICATION NUMBER: US/10/144,649A
; CURRENT FILING DATE: 2002-08-21
; NUMBER OF SEQ ID NOS: 749
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 442
; LENGTH: 337
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-144-649A-442

Alignment Scores:
Pred. No.: 1.64e-93 Length: 337
Score: 97.00 Matches: 97
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
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US-09-854-133-586 (1-97) x US-10-144-649A-442 (1-337)

QY 1 GluValGluValSerArgAspHisAlaSerLeuGlyAspSerGluThrLeuSerGlnThr 20
Db 5 GAGGTTGAAGTGAGCAGAGATCATGCCAGCCTGGGTGACAGTGAGACTCTGTCTCAAACA 64
QY 21 GluLeuArgLysLysGluArgLysLysLysArgGluArgLysPheGlnAlaAsnCysGly 40
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QY 41 IleAspPheIlePheTrpIlePheTrpIleLeuLeuPheSerHisHisTrpIleGln 60
Db 125 ATAGATTTTATCATATTCTGGATTTTGGATTCTTTTGTGTTCTCATCTGGATTCAG 184
QY 61 GluSerLeuLeuCysProProSerProLysGluValThrCysArgGluMetLeuThrGly 80
Db 185 GAAAGCCTGTTGTGTCCACCATCTCCAAAGGAGGTTACCTCGAGGGAATGTTAACGGGA 244
QY 81 GlyCysLeuProTrpAlaThrArgSerHisLeuGlyArgArgLysCysSer 97
Db 245 GGCTGCCTTCCCTGGGCAACAAGGAGCCACCTGGGCAGGAGAAAGTGCAGC 295

RESULT 4
US-10-144-649A-741
; Sequence 741, Application US/10144649A
; Publication No. US20030118599A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Algate, Paul A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; FILE REFERENCE: 210121.475C11
; CURRENT APPLICATION NUMBER: US/10/144,649A
; CURRENT FILING DATE: 2002-08-21
; NUMBER OF SEQ ID NOS: 749
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 741
; LENGTH: 342
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-144-649A-741

Alignment Scores:
Pred. No.: 1.66e-93 Length: 342
Score: 97.00 Matches: 97
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 14 Gaps: 0

US-09-854-133-586 (1-97) x US-10-144-649A-741 (1-342)

QY 1 GluValGluValSerArgAspHisAlaSerLeuGlyAspSerGluThrLeuSerGlnThr 20
Db 52 GAGGTTGAAGTGAGCAGAGATCATGCCAGCCTGGGTGACAGTGAGACTCTGTCTCAAACA 111
QY 21 GluLeuArgLysLysGluArgLysLysLysArgGluArgLysPheGlnAlaAsnCysGly 40
Db 112 GAATTAAGGAAAAAAGAAAGAAAAAGAGAGAGAGAGAAATCCAGGCCAATTGTGGC 171
QY 41 IleAspPheIlePheTrpIlePheTrpIleLeuLeuPheSerHisHisTrpIleGln 60
Db 172 ATAGATTTTATCATATTCTGGATTTTGGATTCTTTTGTGTTCTCATCTGGATTCAG 231
QY 61 GluSerLeuLeuCysProProSerProLysGluValThrCysArgGluMetLeuThrGly 80
Db 232 GAAAGCCTGTTGTGTCCACCATCTCCAAAGGAGGTTACCTCGAGGGAATGTTAACGGGA 291
QY 81 GlyCysLeuProTrpAlaThrArgSerHisLeuGlyArgArgLysCysSer 97
Db 292 GGCTGCCTTCCCTGGGCAACAAGGAGCCACCTGGGCAGGAGAAAGTGCAGC 342

RESULT 5
US-10-144-649A-740
; Sequence 740, Application US/10144649A
; Publication No. US20030118599A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Algate, Paul A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; FILE REFERENCE: 210121.475C11
; CURRENT APPLICATION NUMBER: US/10/144,649A
; CURRENT FILING DATE: 2002-08-21
; NUMBER OF SEQ ID NOS: 749
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 740
; LENGTH: 6080

RESULT 8

US-10-144-649A-441
; Sequence 441, Application US/10144649A
; Publication No. US20030118599A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Algate, Paul A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C11
; CURRENT APPLICATION NUMBER: US/10/144,649A
; CURRENT FILING DATE: 2002-08-21
; NUMBER OF SEQ ID NOS: 749
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 441
; LENGTH: 5981
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-144-649A-441

Alignment Scores:
Pred. No.: 2.52e-91 Length: 5981
Score: 96.00 Matches: 96
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 98.97% Indels: 0
DB: 14 Gaps: 0

US-09-854-133-586 (1-97) x US-10-144-649A-441 (1-5981)

Qy 2 ValGluValSerArgAspHisAlaSerLeuGlyAspSerGluThrLeuSerGlnThrGlu 21
Db 3 GTTGAAGTGACGACGATCATGCCAGCCTGGGTGACAGTGAGACTCTGTCTCAACAGAA 62
Qy 22 LeuArgLysLysGluArgLysLysLysArgGluArgLysPheGlnAlaAsnCysGlyIle 41
Db 63 TTAAGGAAAAAAGAAAGAAAAAGAGAGAGAGAGAAATCCAGGCCCAATTGTGGCATA 122
Qy 42 AspPheIleIlePheTrpIlePheTrpIleLeuLeuPheSerHisHisTrpIleGlnGlu 61
Db 123 GATTTTATCATATTCTGGATTTTGTGGATTTCTTTGTTTCTCATCTGATTCAGGAA 182
Qy 62 SerLeuLeuCysProSerProLysGluValThrCysArgGluMetLeuThrGlyGly 81
Db 183 AGCCTGTTGTCTCCACCATCTCCAAAGGAGGTACCTGCAGGGAATGTTAACGGGAGGC 242
Qy 82 CysLeuProTrpAlaThrArgSerHisLeuGlyArgArgLysCysSer 97
Db 243 TGCCTTCCCTGGCAACAAGAGGCCACCTGGCGAGAGAAAGTGCAGC 290

RESULT 9

US-09-738-973-440
; Sequence 440, Application US/09738973
; Patent No. US20020110563A1
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Fling, Steven P.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Algate, Paul A.
; APPLICANT: Secrist, Heather
; APPLICANT: Indirias, Carol Yoseph
; APPLICANT: Benson, Darin R.
; APPLICANT: Elliot, Mark
; APPLICANT: Mannion, Jane
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER

FILE REFERENCE: 210121.475C9
; CURRENT APPLICATION NUMBER: US/09/738,973
; CURRENT FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 587
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 440
; LENGTH: 2239
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-738-973-440

Alignment Scores:
Pred. No.: 1.53e-88 Length: 2239
Score: 93.00 Matches: 93
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 95.88% Indels: 0
DB: 10 Gaps: 0

US-09-854-133-586 (1-97) x US-09-738-973-440 (1-2239)

Qy 1 GluValGluValSerArgAspHisAlaSerLeuGlyAspSerGluThrLeuSerGlnThr 20
Db 2 GAGGTGAAGTGACGACGATCATGCCAGCCTGGGTGACAGTGAGACTCTGTCTCAACA 61
Qy 21 GluLeuArgLysLysGluArgLysLysLysArgGluArgLysPheGlnAlaAsnCysGly 40
Db 62 GAATTAAGGAAAAAAGAAAGAAAAAGAGAGAGAGAGAAATCCAGGCCAATTGTGGC 121
Qy 41 IleAspPheIleIlePheTrpIlePheTrpIleLeuLeuPheSerHisHisTrpIleGln 60
Db 122 ATAGATTTTATCATATTCTGGATTTTGTGGATTTCTTTTGTCTCATCTGATTCAG 181
Qy 61 GluSerLeuLeuCysProSerProLysGluValThrCysArgGluMetLeuThrGly 80
Db 182 GAAAGCCTGTTGTGTCCACCATCTCCAAAGGAGGTACCTGCAGGGAATGTTAACGGA 241
Qy 81 GlyCysLeuProTrpAlaThrArgSerHisLeuGlyArg 93
Db 242 GGCTGCCTTCCCTGGGCAACAAGAGGCCACCTGGGCAGG 280

RESULT 10

US-09-854-133-440
; Sequence 440, Application US/09854133
; Publication No. US20020183499A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Henderson, Robert A.
; APPLICANT: Benson, Darin R.
; APPLICANT: Secrist, Heather
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C10
; CURRENT APPLICATION NUMBER: US/09/854,133
; CURRENT FILING DATE: 2001-05-11
; NUMBER OF SEQ ID NOS: 735
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 440
; LENGTH: 2239
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-854-133-440

Alignment Scores:
Pred. No.: 1.53e-88 Length: 2239
Score: 93.00 Matches: 93
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 95.88% Indels: 0
DB: 10 Gaps: 0

US-09-854-133-586 (1-97) x US-09-854-133-440 (1-2239)

QY 1 GluValGluValSerArgAspHisAlaSerLeuGlyAspSerGluThrLeuSerGlnThr 20
Db 2 GAGGTTGAAGTGACGAGATCATGCCAGCTGGGTGACAGTGAGACTCTGTCTCAAACA 61
QY 21 GluLeuArgLysLysGluArgLysLysArgGluArgLysPheGlnAlaAsnCysGly 40
Db 62 GAATTAAGGAAAAAGAAAGAAAGAAAAAGAGAGAGAGAAATCCAGGCCAATTGTGGC 121
QY 41 IleAspPheIlePheTrpIlePheTrpIleLeuLeuPheSerHisTrpIleGln 60
Db 122 ATAGATTTTATCATATTCTGGATTTTGGATTCTTTTGTTCATCACTGGATTTCAG 181
QY 61 GluSerLeuLeuCysProProSerProLysGluValThrCysArgGluMetLeuThrGly 80
Db 182 GAAAGCCTGTTGTGTCCACCATCTCCAAAGGAGGTTACCTGCAGGGAATGTTAACGGGA 241
QY 81 GlyCysLeuProTrpAlaThrArgSerHisLeuGlyArg 93
Db 242 GGCTGCCTTCCTGGGCAACAAGGAGCCACCTGGGCAGG 280

RESULT 11
US-10-144-649A-440
; Sequence 440, Application US/10144649A
; Publication No. US20030118599A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Algate, Paul A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: THE THERAPY AND METHODS FOR
; FILE REFERENCE: 210121.475C11
; CURRENT APPLICATION NUMBER: US/10/144,649A
; CURRENT FILING DATE: 2002-08-21
; NUMBER OF SEQ ID NOS: 749
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 440
; LENGTH: 2239
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-144-649A-440

Alignment Scores:
Pred. No.: 1.53e-88 Length: 2239
Score: 93.00 Matches: 93
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 95.88% Indels: 0
DB: 14 Gaps: 0

US-09-854-133-586 (1-97) x US-10-144-649A-440 (1-2239)

QY 1 GluValGluValSerArgAspHisAlaSerLeuGlyAspSerGluThrLeuSerGlnThr 20
Db 2 GAGGTTGAAGTGACGAGATCATGCCAGCTGGGTGACAGTGAGACTCTGTCTCAAACA 61
QY 21 GluLeuArgLysLysGluArgLysLysArgGluArgLysPheGlnAlaAsnCysGly 40
Db 62 GAATTAAGGAAAAAGAAAGAAAGAAAAAGAGAGAGAGAAATCCAGGCCAATTGTGGC 121
QY 41 IleAspPheIlePheTrpIlePheTrpIleLeuLeuPheSerHisTrpIleGln 60
Db 122 ATAGATTTTATCATATTCTGGATTTTGGATTCTTTTGTTCATCACTGGATTTCAG 181
QY 61 GluSerLeuLeuCysProProSerProLysGluValThrCysArgGluMetLeuThrGly 80
Db 182 GAAAGCCTGTTGTGTCCACCATCTCCAAAGGAGGTTACCTGCAGGGAATGTTAACGGGA 241
QY 81 GlyCysLeuProTrpAlaThrArgSerHisLeuGlyArg 93
Db 242 GGCTGCCTTCCTGGGCAACAAGGAGCCACCTGGGCAGG 280

RESULT 12
US-10-144-649A-747
; Sequence 747, Application US/10144649A
; Publication No. US20030118599A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Algate, Paul A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: THE THERAPY AND METHODS FOR
; FILE REFERENCE: 210121.475C11
; CURRENT APPLICATION NUMBER: US/10/144,649A
; CURRENT FILING DATE: 2002-08-21
; NUMBER OF SEQ ID NOS: 749
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 747
; LENGTH: 17672
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-144-649A-747

Alignment Scores:
Pred. No.: 7.18e-53 Length: 17672
Score: 60.00 Matches: 60
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 61.86% Indels: 0
DB: 14 Gaps: 0

US-09-854-133-586 (1-97) x US-10-144-649A-747 (1-17672)

QY 1 GluValGluValSerArgAspHisAlaSerLeuGlyAspSerGluThrLeuSerGlnThr 20
Db 7246 GAGGTTGAAGTGACGAGATCATGCCAGCTGGGTGACAGTGAGACTCTGTCTCAAACA 7305
QY 21 GluLeuArgLysLysGluArgLysLysArgGluArgLysPheGlnAlaAsnCysGly 40
Db 7306 GAATTAAGGAAAAAGAAAGAAAGAAAAAGAGAGAGAGAAATCCAGGCCAATTGTGGC 7365
QY 41 IleAspPheIlePheTrpIlePheTrpIleLeuLeuPheSerHisTrpIleGln 60
Db 7366 ATAGATTTTATCATATTCTGGATTTTGGATTCTTTTGTTCATCACTGGATTTCAG 7425

RESULT 13
US-10-144-649A-746/c
; Sequence 746, Application US/10144649A
; Publication No. US20030118599A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Algate, Paul A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: THE THERAPY AND METHODS FOR
; FILE REFERENCE: 210121.475C11
; CURRENT APPLICATION NUMBER: US/10/144,649A
; CURRENT FILING DATE: 2002-08-21
; NUMBER OF SEQ ID NOS: 749
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 746
; LENGTH: 161280
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-144-649A-746

Alignment Scores:
Pred. No.: 5.31e-52 Length: 161280
Score: 60.00 Matches: 60
Percent Similarity: 100.00% Conservative: 0

Best Local Similarity: 100.00% Mismatches: 0
Query Match: 61.86% Indels: 0
DB: 14 Gaps: 0

US-09-854-133-586 (1-97) x US-10-144-649A-746 (1-161280)

QY 1 GluValGluValSerArgAspHisAlaSerLeuGlyAspSerGluThrLeuSerGlnThr 20
|||||
Db 27755 GAGGTTGAAGTGACGACAGATCATGCCAGCTGGTGACAGTGAGACTCTGTCTCAAACA 27696
|||||
QY 21 GluLeuArgLysLysGluArgLysLysArgGluArgLysPheGlnAlaAsnCysGly 40
|||||
Db 27695 GAATTAAGGAAAAAGAAAGAAAGAAAAAGAGAGAGAGAGAAATTCAGGCCAATTGTGGC 27636
|||||
QY 41 ileAspPheIleIlePheTrpIlePheTrpIleLeuLeuPheSerHisHisTrpIleGln 60
|||||
Db 27635 ATAGATTATATCATATTCTGGATTTTGTGGATCTTTTGTGTTTCTCATCTGGATTTCAG 27576
|||||

RESULT 14

US-10-029-386-23044/c
; Sequence 23044, Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR G
; FILE REFERENCE: AEOMICA-X-2
; CURRENT APPLICATION NUMBER: US/10/029,386
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 34288
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 23044
; LENGTH: 286
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO CHR4.3
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.2
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.1
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.72
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.71
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.1
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.8
; OTHER INFORMATION: EST HUMAN HIT: BG284503.1, EVALUE 0.00e+00
; OTHER INFORMATION: SWISSPROT HIT: Q9UPY5, EVALUE 2.00e-39
; OTHER INFORMATION: NT HIT: AB042201.1, EVALUE 0.00e+00
US-10-029-386-23044

Alignment Scores:
Pred. No.: 3,41e-30 Length: 286
Score: 37.00 Matches: 37
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 38.14% Indels: 0
DB: 12 Gaps: 0

US-09-854-133-586 (1-97) x US-10-029-386-23044 (1-286)

QY 61 GluSerLeuLeuCysProProSerProLysGluValThrCysArgGluMetLeuThrGly 80
|||||
Db 279 GAAAGCCTGTTGTGTCCACCATCTCCAAAGGAGGTTACCTGCAGGAAATGTTAACGGGA 220
|||||
QY 81 GlyCysLeuProTrpAlaThrArgSerHisLeuGlyArgArgLysCysSer 97
|||||
Db 219 GGCTGCCTTCCTGGGCAACAAGGAGCCACCTGGGCAGGAGAAAGTCAGC 169
|||||

RESULT 15

US-10-029-386-9344/c
; Sequence 9344, Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:

; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; TITLE OF INVENTION: EXPRESSION ANALYSIS TWO
; FILE REFERENCE: AEOMICA-X-2
; CURRENT APPLICATION NUMBER: US/10/029,386
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 34288
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 9344
; LENGTH: 501
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO CHR4.3
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.2
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.1
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.72
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.71
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.1
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.8
; OTHER INFORMATION: NT HIT: AB042201.1, EVALUE 0.00e+00
; OTHER INFORMATION: SWISSPROT HIT: Q9UPY5, EVALUE 2.00e-39
; OTHER INFORMATION: EST_HUMAN HIT: BG284503.1, EVALUE 0.00e+00
US-10-029-386-9344

Alignment Scores:

Pred. No.: 5,67e-30 Length: 501
Score: 37.00 Matches: 37
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 38.14% Indels: 0
DB: 12 Gaps: 0

US-09-854-133-586 (1-97) x US-10-029-386-9344 (1-501)

QY 61 GluSerLeuLeuCysProProSerProLysGluValThrCysArgGluMetLeuThrGly 80
|||||
Db 466 GAAAGCCTGTTGTGTCCACCATCTCCAAAGGAGGTTACCTGCAGGAAATGTTAACGGGA 407
|||||
QY 81 GlyCysLeuProTrpAlaThrArgSerHisLeuGlyArgArgLysCysSer 97
|||||
Db 406 GGCTGCCTTCCTGGGCAACAAGGAGCCACCTGGGCAGGAGAAAGTCAGC 356
|||||

RESULT 16

US-10-163-866-32
; Sequence 32, Application US/10163866
; Publication No. US20030027188A1
; GENERAL INFORMATION:

; APPLICANT: EXELIXIS, INC.
; TITLE OF INVENTION: SLC7s AS MODIFIERS OF THE p53 PATHWAY AND METHODS OF USE
; FILE REFERENCE: EX02-080C
; CURRENT APPLICATION NUMBER: US/10/163,866
; CURRENT FILING DATE: 2002-06-05
; PRIOR APPLICATION NUMBER: US 60/296,076
; PRIOR FILING DATE: 2001-06-05
; PRIOR APPLICATION NUMBER: US 60/328,605
; PRIOR FILING DATE: 2001-10-10
; PRIOR APPLICATION NUMBER: US 60/338,733
; PRIOR FILING DATE: 2001-10-22
; PRIOR APPLICATION NUMBER: US 60/357,253
; PRIOR FILING DATE: 2002-02-15
; PRIOR APPLICATION NUMBER: US 60/357,600
; PRIOR FILING DATE: 2002-02-15
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 32
; LENGTH: 520
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-163-866-32


```

; PRIOR FILING DATE: 2001-06-05
; PRIOR APPLICATION NUMBER: US 60/328,605
; PRIOR FILING DATE: 2001-10-10
; PRIOR APPLICATION NUMBER: US 60/338,733
; PRIOR FILING DATE: 2001-10-22
; PRIOR APPLICATION NUMBER: US 60/357,253
; PRIOR FILING DATE: 2002-02-15
; PRIOR APPLICATION NUMBER: US 60/357,600
; PRIOR FILING DATE: 2002-02-15
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 29
; LENGTH: 2482
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-163-866-29

Alignment Scores:
Pred. No.:      2.41e-29      Length:      2482
Score:          37.00      Matches:      37
Percent Similarity: 100.00%      Conservative: 0
Best Local Similarity: 100.00%      Mismatches: 0
Query Match:    38.14%      Indels:    0
DB:             14      Gaps:      0

US-09-854-133-586 (1-97) x US-10-163-866-29 (1-2482)

QY      61  GluSerLeuLeuCysProProSerProLysGluValThrCysArgGluMetLeuThrGly 80
      |||||||
Db      239  GAAAGCCTGTTGTGCCACCATCTCCAAAGGAGGTTACCTGCAGGAAATGTTAACGGGA 298

QY      81  GlyCysLeuProTrpAlaThrArgSerHisLeuGlyArgArgLysCysSer 97
      |||||||
Db      299  GGCTGCCCTTCCCTGGGCAACAAGGAGCCACCTGGGCAGGAGAAAGTGCAGC 349

RESULT 27
US-10-163-866-31
; Sequence 31, Application US/10163866
; Publication No. US20030027188A1
; GENERAL INFORMATION:
; APPLICANT: EXELIXIS, INC.
; TITLE OF INVENTION: SLCTs AS MODIFIERS OF THE p53 PATHWAY AND METHODS OF USE
; FILE REFERENCE: EX02-080C
; CURRENT APPLICATION NUMBER: US/10/163,866
; CURRENT FILING DATE: 2002-06-05
; PRIOR APPLICATION NUMBER: US 60/296,076
; PRIOR FILING DATE: 2001-06-05
; PRIOR APPLICATION NUMBER: US 60/328,605
; PRIOR FILING DATE: 2001-10-10
; PRIOR APPLICATION NUMBER: US 60/338,733
; PRIOR FILING DATE: 2001-10-22
; PRIOR APPLICATION NUMBER: US 60/357,253
; PRIOR FILING DATE: 2002-02-15
; PRIOR APPLICATION NUMBER: US 60/357,600
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 31
; LENGTH: 3144
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-163-866-31

Alignment Scores:
Pred. No.:      2.98e-29      Length:      3144
Score:          37.00      Matches:      37
Percent Similarity: 100.00%      Conservative: 0
Best Local Similarity: 100.00%      Mismatches: 0
Query Match:    38.14%      Indels:    0
DB:             14      Gaps:      0

US-09-854-133-586 (1-97) x US-10-163-866-31 (1-3144)

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```

QY      61  GluSerLeuLeuCysProProSerProLysGluValThrCysArgGluMetLeuThrGly 80
      |||||||
Db      8   GAAAGCCTGTTGTGCCACCATCTCCAAAGGAGGTTACCTGCAGGAAATGTTAACGGGA 67

QY      81  GlyCysLeuProTrpAlaThrArgSerHisLeuGlyArgArgLysCysSer 97
      |||||||
Db      68  GGCTGCCCTTCCCTGGGCAACAAGGAGCCACCTGGGCAGGAGAAAGTGCAGC 118

RESULT 28
US-10-133-013-40
; Sequence 40, Application US/10133013
; Publication No. US20030166903A1
; GENERAL INFORMATION:
; APPLICANT: Astromoff, Anna
; APPLICANT: Bandman, Olga
; APPLICANT: Cocks, Benjamin G.
; TITLE OF INVENTION: GENES ASSOCIATED WITH VASCULAR DISEASE
; FILE REFERENCE: PA-0049 US
; CURRENT APPLICATION NUMBER: US/10/133,013
; CURRENT FILING DATE: 2002-04-25
; PRIOR APPLICATION NUMBER: 60/287,067
; PRIOR FILING DATE: 2001-04-27
; NUMBER OF SEQ ID NOS: 271
; SOFTWARE: PERL Program
; SEQ ID NO 40
; LENGTH: 2041
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20030166903A1 406992.1
; NAME/KEY: unsure
; LOCATION: 1923, 1998, 2026
; OTHER INFORMATION: a, t, c, g, or other
US-10-133-013-40

Alignment Scores:
Pred. No.:      1.09e-15      Length:      2041
Score:          24.00      Matches:      37
Percent Similarity: 97.37%      Conservative: 0
Best Local Similarity: 97.37%      Mismatches: 0
Query Match:    24.74%      Indels:      1
DB:             12      Gaps:      0

US-09-854-133-586 (1-97) x US-10-133-013-40 (1-2041)

QY      61  GluSerLeuLeuCysProProSerProLysGluValThrCysArgGluMetLeu-ThrGl 80
      |||||||
Db      248  GAAAGCCTGTTGTGCCACCATCTCCAAAGGAGGTTACCTGCAGGAAATGTTAAACGGG 307

QY      80  yGlyCysLeuProTrpAlaThrArgSerHisLeuGlyArgArgLysCysSer 97
      |||||||
Db      308  AGGCTGCCCTTCCCTGGGCAACAAGGAGCCACCTGGGCAGGAGAAAGTGCAGC 359

RESULT 29
US-10-247-671-78
; Sequence 78, Application US/10247671
; Publication No. US20030194721A1
; GENERAL INFORMATION:
; APPLICANT: Mikita, Thomas
; APPLICANT: Shiffman, Dov
; APPLICANT: Porter, Gordon, J.
; APPLICANT: Kaser, Matthew R.
; TITLE OF INVENTION: GENES EXPRESSED IN TREATED FOAM CELLS
; FILE REFERENCE: PA-0050 US
; CURRENT APPLICATION NUMBER: US/10/247,671
; CURRENT FILING DATE: 2002-09-18
; PRIOR APPLICATION NUMBER: 60/323,784
; PRIOR FILING DATE: 2001-09-19
; NUMBER OF SEQ ID NOS: 186
; SOFTWARE: PERL Program
; SEQ ID NO 78

```


; LENGTH: 2041
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. US20030194721A1 406992.1
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 1923, 1998, 2026
; OTHER INFORMATION: a, t, c, g, or other
US-10-247-671-78

Alignment Scores:
Pred. No.: 1.09e-15 Length: 2041
Score: 24.00 Matches: 37
Percent Similarity: 97.37% Conservatives: 0
Best Local Similarity: 97.37% Mismatches: 0
Query Match: 24.74% Indels: 1
DB: 12 Gaps: 0

US-09-854-133-586 (1-97) x US-10-247-671-78 (1-2041)

Qy 61 GluSerLeuLeuCysProProSerProLysGluValThrCysArgGluMetLeu-ThrG1 80
Db 248 GAAAGCCTGTTGTCTCCACCATCTCCAAAGGAGGTTACCTGCAGGGAATGTTAAACGGG 307
Qy 80 yGlyCysLeuProTrrAlaThrArgSerHisLeuGlyArgArgLysCysSer 97
Db 308 AGGCTGCCTTCCTGGGCAACAAGAGGCCACCTGGGCAGGAGAAAGTGCAGC 359

RESULT 30
US-10-027-632-169649/c
; Sequence 169649, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 169649
; LENGTH: 700
; TYPE: DNA
; ORGANISM: Human

Alignment Scores:
Pred. No.: 0.00197 Length: 700
Score: 12.00 Matches: 12
Percent Similarity: 100.00% Conservatives: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 12.37% Indels: 0
DB: 13 Gaps: 0

US-09-854-133-586 (1-97) x US-10-027-632-169649 (1-700)

Qy 23 ArgLysLysGluArgLysLysArgGluArgLys 34

Db 514 AGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAG 479
RESULT 31
US-10-027-632-11778/c
; Sequence 11778, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11778
; LENGTH: 718
; TYPE: DNA
; ORGANISM: Human

Alignment Scores:
Pred. No.: 0.00202 Length: 718
Score: 12.00 Matches: 12
Percent Similarity: 100.00% Conservatives: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 12.37% Indels: 0
DB: 13 Gaps: 0

US-09-854-133-586 (1-97) x US-10-027-632-11778 (1-718)

Qy 8 HisAlaSerLeuGlyAspSerGluThrLeuSerGln 19
Db 276 CATGCCAGCCTGGGGACAGTGCAGACCCCTGTCTCAA 241

RESULT 32
US-10-027-632-11779/c
; Sequence 11779, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09

```
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 11779
; LENGTH: 718
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-11779

Alignment Scores:
Pred. No.:      0.00202      Length:      718
Score:          12.00       Matches:      12
Percent Similarity: 100.00%   Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match:      12.37%     Indels:      0
DB:              13         Gaps:        0

US-09-854-133-586 (1-97) x US-10-027-632-11779 (1-718)

Qy      8 HisAlaSerLeuGlyAspSerGluThrLeuSerGln 19
      |||||
Db      276 CATGCCAGCTGGGGGACAGTGAGACCCCTGTCTCAA 241

RESULT 33
US-10-027-632-169650
; Sequence 169650, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 169650
; LENGTH: 810
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-169650

Alignment Scores:
Pred. No.:      0.00225      Length:      810
Score:          12.00       Matches:      12
Percent Similarity: 100.00%   Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match:      12.37%     Indels:      0
DB:              13         Gaps:        0

US-09-854-133-586 (1-97) x US-10-027-632-169650 (1-810)

Qy      23 ArgLysLysGluArgLysLysLysArgGluArgLys 34
      |||||
Db      613 AGAAAGAAAGAAAGAAAGAAAGAAAGAGAGAGAAAG 648

RESULT 34
US-09-764-877-3626
; Sequence 3626, Application US/09764877
; Patent No. US20020147140A1
; GENERAL INFORMATION:
```

```
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC005
; CURRENT APPLICATION NUMBER: US/09/764,877
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 4031
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3626
; LENGTH: 29607
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-877-3626

Alignment Scores:
Pred. No.:      0.0583      Length:      29607
Score:          12.00       Matches:      12
Percent Similarity: 100.00%   Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match:      12.37%     Indels:      0
DB:              10         Gaps:        0

US-09-854-133-586 (1-97) x US-09-764-877-3626 (1-29607)

Qy      8 HisAlaSerLeuGlyAspSerGluThrLeuSerGln 19
      |||||
Db      24558 CACGCTAGCCTGGGTGACAGTGAGACCCCTGTCTCAA 24593

RESULT 35
US-10-027-632-264548
; Sequence 264548, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 264548
; LENGTH: 285
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-264548

Alignment Scores:
Pred. No.:      0.00995      Length:      285
Score:          11.00       Matches:      11
Percent Similarity: 100.00%   Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match:      11.34%     Indels:      0
DB:              13         Gaps:        0

US-09-854-133-586 (1-97) x US-10-027-632-264548 (1-285)

Qy      23 ArgLysLysGluArgLysLysLysArgGluArg 33
      |||||
Db      48 AGAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAA 80
```

```
RESULT 36
US-09-933-797-216
; Sequence 216, Application US/09933797
; Patent No. US20020155119A1
; GENERAL INFORMATION:
; APPLICANT: Robert A. Sikes et al.
; TITLE OF INVENTION: Isolation and Use of Fetal Urogenital
; TITLE OF INVENTION: Sinus Expressed Sequences
; FILE REFERENCE: 9901-007-999
; CURRENT APPLICATION NUMBER: US/09/933,797
; CURRENT FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: US/09/482,933
; PRIOR FILING DATE: 2000-01-14
; PRIOR APPLICATION NUMBER: PCT/US99/10746
; PRIOR FILING DATE: 1999-05/14
; PRIOR APPLICATION NUMBER: 60/085,383
; PRIOR FILING DATE: 1998-05-14
; NUMBER OF SEQ ID NOS: 811
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 216
; LENGTH: 294
; TYPE: DNA
; ORGANISM: Murine
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(294)
; OTHER INFORMATION: n = A,T,C or G
US-09-933-797-216
```

```
Alignment Scores:
Pred. No.: 0.0102 Length: 294
Score: 11.00 Matches: 11
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 11.34% Indels: 0
DB: 10 Gaps: 0
```

```
US-09-854-133-586 (1-97) x US-09-933-797-216 (1-294)
```

```
QY 23 ArgLysLysGluArgLysLysLysArgGluArg 33
| | | | | | | | | | | | | | | | | | | | | |
Db 61 AGAAAGAAAGAAAGAAAGAAAGAAAGAGAGAGA 93
```

```
RESULT 37
US-10-027-632-205214/c
; Sequence 205214, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 205214
; LENGTH: 602
; TYPE: DNA
```

```
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(602)
; OTHER INFORMATION: n = A,T,C or G
US-10-027-632-205214

Alignment Scores:
Pred. No.: 0.0196 Length: 602
Score: 11.00 Matches: 11
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 11.34% Indels: 0
DB: 13 Gaps: 0

US-09-854-133-586 (1-97) x US-10-027-632-205214 (1-602)

QY 24 LysLysGluArgLysLysLysArgGluArgLys 34
| | | | | | | | | | | | | | | | | | | | | |
Db 426 AAGAAAGAAAGAAAGAAAGAAAGAAAGAGAGAGAA 394
```

```
RESULT 38
US-10-027-632-215480
; Sequence 215480, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 215480
; LENGTH: 612
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-215480
```

```
Alignment Scores:
Pred. No.: 0.0199 Length: 612
Score: 11.00 Matches: 11
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 11.34% Indels: 0
DB: 13 Gaps: 0
```

```
US-09-854-133-586 (1-97) x US-10-027-632-215480 (1-612)
```

```
QY 10 SerLeuGlyAspSerGluThrLeuSerGlnThr 20
| | | | | | | | | | | | | | | | | | | | | |
Db 158 AGCCTGGGTGATAGTGAGACTTTGCTCAAACT 190
```

```
RESULT 39
US-10-027-632-97902/c
; Sequence 97902, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
```

; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 97902
; LENGTH: 2200
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-97902

Alignment Scores:
Pred. No.: 0.0632 Length: 2200
Score: 11.00 Matches: 11
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 11.34% Indels: 0
DB: 13 Gaps: 0

US-09-854-133-586 (1-97) x US-10-027-632-97902 (1-2200)

QY 8 HisAlaSerLeuGlyAspSerGluThrLeuSer 18
Db 1401 CACGCCAGCCTGGGTGACAGCGAGACTCTCTCT 1369

RESULT 40
US-10-027-632-111479/c
; Sequence 111479, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 111479
; LENGTH: 2200
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-111479

Alignment Scores:

Pred. No.: 0.0632 Length: 2200
Score: 11.00 Matches: 11
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 11.34% Indels: 0
DB: 13 Gaps: 0
US-09-854-133-586 (1-97) x US-10-027-632-111479 (1-2200)
QY 8 HisAlaSerLeuGlyAspSerGluThrLeuSer 18
Db 1401 CACGCCAGCCTGGGTGACAGCGAGACTCTCTCT 1369

Search completed: October 30, 2003, 17:22:02
Job time : 305.655 secs

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OM protein - protein search, using sw model

Run on: October 28, 2003, 16:53:34 ; Search time 4.10619 Seconds
(without alignments)
164.866 Million cell updates/sec

Title: US-09-854-133-587
Perfect score: 98
Sequence: 1 FQANCGIDFIIFWIFW 16

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*
1: /cgn2_6/ptodata/2/iaa/5A_COMB.pep:*
2: /cgn2_6/ptodata/2/iaa/5B_COMB.pep:*
3: /cgn2_6/ptodata/2/iaa/6A_COMB.pep:*
4: /cgn2_6/ptodata/2/iaa/6B_COMB.pep:*
5: /cgn2_6/ptodata/2/iaa/PCTUS_COMB.pep:*
6: /cgn2_6/ptodata/2/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
1	46	46.9	123	1 US-08-478-039-82	Sequence 82, Appl
2	46	46.9	123	1 US-08-476-349A-82	Sequence 82, Appl
3	45	45.9	298	1 US-08-118-270-76	Sequence 76, Appl
4	45	45.9	298	5 PCT-US93-08528-76	Sequence 76, Appl
5	43	43.9	221	4 US-09-599-360B-104	Sequence 104, App
6	43	43.9	282	4 US-09-107-532A-4329	Sequence 4329, Ap
7	42	42.9	125	2 US-08-665-202-45	Sequence 45, Appl
8	42	42.9	125	2 US-08-665-202-46	Sequence 46, Appl
9	42	42.9	125	2 US-08-665-202-49	Sequence 49, Appl
10	42	42.9	125	2 US-08-665-202-51	Sequence 51, Appl
11	42	42.9	125	4 US-09-315-574-45	Sequence 45, Appl
12	42	42.9	125	4 US-09-315-574-46	Sequence 46, Appl
13	42	42.9	125	4 US-09-315-574-49	Sequence 49, Appl
14	42	42.9	125	4 US-09-315-574-51	Sequence 51, Appl
15	42	42.9	342	2 US-08-483-151-2	Sequence 2, Appli
16	42	42.9	518	4 US-09-134-001C-4069	Sequence 4069, Ap
17	41	41.8	119	2 US-08-318-157B-2	Sequence 2, Appli
18	41	41.8	119	2 US-08-318-157B-12	Sequence 12, Appl
19	41	41.8	119	2 US-08-318-157B-17	Sequence 17, Appl
20	41	41.8	125	2 US-08-665-202-48	Sequence 48, Appl
21	41	41.8	125	2 US-08-665-202-50	Sequence 50, Appl
22	41	41.8	125	2 US-08-665-202-52	Sequence 52, Appl
23	41	41.8	125	2 US-08-665-202-53	Sequence 53, Appl
24	41	41.8	125	2 US-08-665-202-54	Sequence 54, Appl
25	41	41.8	125	2 US-08-665-202-55	Sequence 55, Appl
26	41	41.8	125	2 US-08-665-202-57	Sequence 57, Appl
27	41	41.8	125	4 US-09-315-574-48	Sequence 48, Appl

28	41	41.8	125	4 US-09-315-574-50	Sequence 50, Appl
29	41	41.8	125	4 US-09-315-574-52	Sequence 52, Appl
30	41	41.8	125	4 US-09-315-574-53	Sequence 53, Appl
31	41	41.8	125	4 US-09-315-574-54	Sequence 54, Appl
32	41	41.8	125	4 US-09-315-574-55	Sequence 55, Appl
33	41	41.8	125	4 US-09-315-574-57	Sequence 57, Appl
34	41	41.8	139	3 US-09-136-315-2	Sequence 2, Appli
35	41	41.8	139	3 US-09-136-315-6	Sequence 6, Appli
36	40	40.8	119	2 US-08-318-157B-8	Sequence 8, Appli
37	40	40.8	119	2 US-08-318-157B-9	Sequence 9, Appli
38	40	40.8	119	2 US-08-318-157B-10	Sequence 10, Appli
39	40	40.8	119	2 US-08-318-157B-11	Sequence 11, Appl
40	40	40.8	119	2 US-08-318-157B-13	Sequence 13, Appl
41	40	40.8	119	2 US-08-318-157B-14	Sequence 14, Appl
42	40	40.8	119	2 US-08-318-157B-15	Sequence 15, Appl
43	40	40.8	203	3 US-09-124-141-13	Sequence 13, Appl
44	40	40.8	203	3 US-09-124-141-21	Sequence 21, Appl
45	40	40.8	593	3 US-09-124-141-7	Sequence 7, Appli

ALIGNMENTS

RESULT 1
US-08-478-039-82
; Sequence 82, Application US/08478039
; Patent No. 5681722
; GENERAL INFORMATION:
; APPLICANT: Newman, Roland A.
; APPLICANT: Hanna, Nabil
; APPLICANT: Raab, Ronald W.
; TITLE OF INVENTION: Recombinant Antibodies for Human Therapy
; NUMBER OF SEQUENCES: 114
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
; STREET: 699 Prince St.
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22313-1404
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/478,039
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/379,072
; FILING DATE: 25-JAN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/912,292
; FILING DATE: 10-JUL-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/856,281
; FILING DATE: 23-MAR-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/735,064
; FILING DATE: 25-JUL-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Teskin Esq., Robin L.
; REGISTRATION NUMBER: 35,030
; REFERENCE/DOCKET NUMBER: 012712-160
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-836-6620
; TELEFAX: 703-836-2021
; INFORMATION FOR SEQ ID NO: 82:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 123 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant

; TOPOLOGY: not relevant
; MOLECULE TYPE: peptide
; ORIGINAL SOURCE:
; ORGANISM: Monkey
; POSITION IN GENOME:
; CHROMOSOME/SEGMENT: VH5 clone 5-11
US-08-478-039-82

Query Match 46.9%; Score 46; DB 1; Length 123;
Best Local Similarity 58.3%; Pred. No. 4.9;
Matches 7; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 5 CGIDFIIFWIFW 16
Db 25 CGFSFTGFWSW 36

RESULT 2
US-08-476-349A-82
; Sequence 82, Application US/08476349A
; Patent No. 5750105
; GENERAL INFORMATION:
; APPLICANT: Newman, Roland A.
; APPLICANT: Hanna, Nabil
; APPLICANT: Raab, Ronald W.
; TITLE OF INVENTION: Recombinant Antibodies for Human Therapy
; NUMBER OF SEQUENCES: 114
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
; STREET: 699 Prince St.
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22313-1404

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/476,349A
FILING DATE: 07-JUN-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/379,072
FILING DATE: 25-JAN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/912,292
FILING DATE: 10-JUL-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/856,281
FILING DATE: 23-MAR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/735,064
FILING DATE: 25-JUL-1991
ATTORNEY/AGENT INFORMATION:
NAME: Teskin Esq., Robin L.
REGISTRATION NUMBER: 35,030
REFERENCE/DOCKET NUMBER: 012712-161
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 82:
SEQUENCE CHARACTERISTICS:
LENGTH: 123 amino acids
TYPE: amino acid
STRANDEDNESS: not relevant
TOPOLOGY: not relevant
MOLECULE TYPE: peptide
ORIGINAL SOURCE:
ORGANISM: Monkey
POSITION IN GENOME:
CHROMOSOME/SEGMENT: VH5 clone 5-11

US-08-476-349A-82

Query Match 46.9%; Score 46; DB 1; Length 123;
Best Local Similarity 58.3%; Pred. No. 4.9;
Matches 7; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 5 CGIDFIIFWIFW 16
Db 25 CGFSFTGFWSW 36

RESULT 3
US-08-118-270-76
; Sequence 76, Application US/08118270
; Patent No. 5508384
; GENERAL INFORMATION:
; APPLICANT: Murphy, Randall B.
; APPLICANT: Schuster, David I.
; TITLE OF INVENTION: POLYPEPTIDES OF G-COUPLED PROTEIN
; TITLE OF INVENTION: RECEPTORS, AND COMPOSITIONS AND METHODS THEREOF
; NUMBER OF SEQUENCES: 348
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BROWDY AND NEIMARK
; STREET: 419 Seventh Street, N.W., Suite 300
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20004

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/118,270
FILING DATE: 09-SEP-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/943,236
FILING DATE: 10-SEP-1992
ATTORNEY/AGENT INFORMATION:
NAME: Townsend, Kevin G.
REGISTRATION NUMBER: 34,033
REFERENCE/DOCKET NUMBER: MURPHY=2A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEFAX: 202-737-3528
TELEX: 248633
INFORMATION FOR SEQ ID NO: 76:
SEQUENCE CHARACTERISTICS:
LENGTH: 298 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-118-270-76

Query Match 45.9%; Score 45; DB 1; Length 298;
Best Local Similarity 60.0%; Pred. No. 17;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Qy 6 GIDFIIFWIF 15
Db 211 GIDWFLFWVF 220

RESULT 4
PCT-US93-08528-76
; Sequence 76, Application PC/TUS9308528
; GENERAL INFORMATION:
; APPLICANT: New York University
; TITLE OF INVENTION: POLYPEPTIDES OF G-COUPLED PROTEIN
; TITLE OF INVENTION: RECEPTORS, AND COMPOSITIONS AND METHODS THEREOF
; NUMBER OF SEQUENCES: 348

```

; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BROWDY AND NEIMARK
; STREET: 419 Seventh Street, N.W., Suite 300
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20004
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/08528
; FILING DATE: 09-SEP-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/943,236
; FILING DATE: 10-SEP-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Townsend, Kevin G.
; REGISTRATION NUMBER: 34,033
; REFERENCE/DOCKET NUMBER: MURPHY=2 PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-628-5197
; TELEFAX: 202-737-3528
; TELEX: 248633
; INFORMATION FOR SEQ ID NO: 76:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 298 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
PCT-US93-08528-76

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Query Match      45.9%; Score 45; DB 5; Length 298;
Best Local Similarity 60.0%; Pred. No. 17;
Matches      6; Conservative      3; Mismatches      1; Indels      0; Gaps      0;

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QY      6 GIDFIIFWIF 15
      |||: |||:
Db      211 GIDWFLFWVF 220

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```

RESULT 5
US-09-599-360B-104
; Sequence 104, Application US/09599360B
; Patent No. 6548633
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Bougueleret, L.
; APPLICANT: Jobert, S.
; TITLE OF INVENTION: Complementary DNA's Encoding Proteins with Signal Peptides
; FILE REFERENCE: GENSET.050CP3
; CURRENT APPLICATION NUMBER: US/09/599,360B
; CURRENT FILING DATE: 2000-06-21
; PRIOR APPLICATION NUMBER: 60/113,686
; PRIOR FILING DATE: 1998-12-22
; PRIOR APPLICATION NUMBER: 60/141,032
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 09/469,099
; PRIOR FILING DATE: 1999-12-21
; NUMBER OF SEQ ID NOS: 123
; SOFTWARE: Patent.pm
; SEQ ID NO 104
; LENGTH: 221
; TYPE: PRT
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: SIGNAL
; LOCATION: -28..-1
US-09-599-360B-104

```

```

Query Match      43.9%; Score 43; DB 4; Length 221;
Best Local Similarity 75.0%; Pred. No. 26;
Matches      6; Conservative      1; Mismatches      1; Indels      0; Gaps      0;

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QY      9 FIIFWIFW 16
      |||: |||:
Db      199 FIIFWIFW 206

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```

RESULT 6
US-09-107-532A-4329
; Sequence 4329, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 7310
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660
; COMPUTER: PC
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,532A
; FILING DATE: 30-Jun-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/085,598
; FILING DATE: 14 May 1998
; APPLICATION NUMBER: 60/051571
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Deneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-012
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 4329:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 282 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ORIGINAL SOURCE:
; ORGANISM: Enterococcus faecium
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (B) LOCATION 1...282
; SEQUENCE DESCRIPTION: SEQ ID NO: 4329:
US-09-107-532A-4329

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Query Match      43.9%; Score 43; DB 4; Length 282;
Best Local Similarity 37.5%; Pred. No. 33;
Matches      6; Conservative      3; Mismatches      7; Indels      0; Gaps      0;

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QY      1 PQANCGIDFIIFWIFW 16
      | : ||: ||:
Db      178 FNPAFSLDFLDHFLWF 193

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RESULT 7
US-08-665-202-45
; Sequence 45, Application US/08665202
; Patent No. 5977322

```

```
;
; GENERAL INFORMATION:
; APPLICANT: Marks, James D.
; APPLICANT: Schier, Robert
; TITLE OF INVENTION: No. 5977322el High Affinity Human Antibodies to
; TITLE OF INVENTION: Tumor Antigens
; NUMBER OF SEQUENCES: 141
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/665,202
; FILING DATE: 13-JUN-1996
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/000,238
; FILING DATE: 14-JUN-1995
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 45:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 125 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-665-202-45

Query Match 42.9%; Score 42; DB 2; Length 125;
Best Local Similarity 54.5%; Pred. No. 20;
Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 6 GIDFIIFWIFW 16
Db 26 GYDFTTYWIAW 36

RESULT 8
US-08-665-202-46
; Sequence 46, Application US/08665202
; Patent No. 5977322
; GENERAL INFORMATION:
; APPLICANT: Marks, James D.
; APPLICANT: Schier, Robert
; TITLE OF INVENTION: No. 5977322el High Affinity Human Antibodies to
; TITLE OF INVENTION: Tumor Antigens
; NUMBER OF SEQUENCES: 141
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/665,202
; FILING DATE: 13-JUN-1996
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/000,238
; FILING DATE: 14-JUN-1995
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 46:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 125 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-665-202-46

Query Match 42.9%; Score 42; DB 2; Length 125;
Best Local Similarity 54.5%; Pred. No. 20;
Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 6 GIDFIIFWIFW 16
Db 26 GYDFTTYWIAW 36

RESULT 9
US-08-665-202-49
; Sequence 49, Application US/08665202
; Patent No. 5977322
; GENERAL INFORMATION:
; APPLICANT: Marks, James D.
; APPLICANT: Schier, Robert
; TITLE OF INVENTION: No. 5977322el High Affinity Human Antibodies to
; TITLE OF INVENTION: Tumor Antigens
; NUMBER OF SEQUENCES: 141
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/665,202
; FILING DATE: 13-JUN-1996
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/000,238
; FILING DATE: 14-JUN-1995
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 47:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 125 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-665-202-46

Query Match 42.9%; Score 42; DB 2; Length 125;
Best Local Similarity 54.5%; Pred. No. 20;
Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 6 GIDFIIFWIFW 16
Db 26 GYDFTTYWIAW 36
```

```
;
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/665,202
; FILING DATE: 13-JUN-1996
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/000,238
; FILING DATE: 14-JUN-1995
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 46:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 125 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-665-202-46

Query Match 42.9%; Score 42; DB 2; Length 125;
Best Local Similarity 54.5%; Pred. No. 20;
Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 6 GIDFIIFWIFW 16
Db 26 GYDFTTYWIAW 36

RESULT 9
US-08-665-202-49
; Sequence 49, Application US/08665202
; Patent No. 5977322
; GENERAL INFORMATION:
; APPLICANT: Marks, James D.
; APPLICANT: Schier, Robert
; TITLE OF INVENTION: No. 5977322el High Affinity Human Antibodies to
; TITLE OF INVENTION: Tumor Antigens
; NUMBER OF SEQUENCES: 141
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/665,202
; FILING DATE: 13-JUN-1996
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/000,238
; FILING DATE: 14-JUN-1995
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 47:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 125 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-665-202-46

Query Match 42.9%; Score 42; DB 2; Length 125;
Best Local Similarity 54.5%; Pred. No. 20;
Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 6 GIDFIIFWIFW 16
Db 26 GYDFTTYWIAW 36
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TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 49:
SEQUENCE CHARACTERISTICS:
LENGTH: 125 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-665-202-49

Query Match 42.9%; Score 42; DB 2; Length 125;
Best Local Similarity 54.5%; Pred. No. 20;
Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 6 GIDFIIFWIFW 16
| | | : | | |
Db 26 GYDFTTYWIAW 36

RESULT 10
US-08-665-202-51
; Sequence 51, Application US/08665202
; Patent No. 5977322
; GENERAL INFORMATION:
; APPLICANT: Marks, James D.
; APPLICANT: Schier, Robert
; TITLE OF INVENTION: No. 5977322el High Affinity Human Antibodies to
; TITLE OF INVENTION: Tumor Antigens
; NUMBER OF SEQUENCES: 141
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/665,202
; FILING DATE: 13-JUN-1996
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/000,238
; FILING DATE: 14-JUN-1995
; INFORMATION FOR SEQ ID NO: 51:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 125 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-665-202-51

Query Match 42.9%; Score 42; DB 2; Length 125;
Best Local Similarity 54.5%; Pred. No. 20;
Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 6 GIDFIIFWIFW 16
| | | : | | |
Db 26 GYDFTTYWIAW 36

RESULT 11
US-09-315-574-45
; Sequence 45, Application US/09315574
; Patent No. 6512097
; GENERAL INFORMATION:
; APPLICANT: Marks, James D.
; APPLICANT: Schier, Robert
; TITLE OF INVENTION: No. 6512097el High Affinity Human Antibodies to
; TITLE OF INVENTION: Tumor Antigens
; NUMBER OF SEQUENCES: 141
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Majestic, Parsons, Siebert & Hsue P.C.
; STREET: Four Embarcadero Center, Suite 1100
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-4106
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/315,574
; FILING DATE: 20-MAY-99
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/000,238
; FILING DATE: 14-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/000,250
; FILING DATE: 15-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/665,202
; FILING DATE: 13-JUN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Hunter, Tom
; REGISTRATION NUMBER: 38,498
; REFERENCE/DOCKET NUMBER: 02307E-061411
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 45:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 125 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-09-315-574-45

Query Match 42.9%; Score 42; DB 4; Length 125;
Best Local Similarity 54.5%; Pred. No. 20;
Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 6 GIDFIIFWIFW 16
| | | : | | |
Db 26 GYDFTTYWIAW 36

RESULT 12
US-09-315-574-46
; Sequence 46, Application US/09315574
; Patent No. 6512097
; GENERAL INFORMATION:
; APPLICANT: Marks, James D.
; APPLICANT: Schier, Robert
; TITLE OF INVENTION: No. 6512097el High Affinity Human Antibodies to

```
; TITLE OF INVENTION: Tumor Antigens
; NUMBER OF SEQUENCES: 141
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Majestic, Parsons, Siebert & Hsue P.C.
; STREET: Four Embarcadero Center, Suite 1100
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-4106
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/315,574
; FILING DATE: 20-MAY-99
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/000,238
; FILING DATE: 14-JUN-1995
; APPLICATION NUMBER: US 60/000,250
; FILING DATE: 15-JUN-1995
; APPLICATION NUMBER: US 08/665,202
; FILING DATE: 13-JUN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Hunter, Tom
; REGISTRATION NUMBER: 38,498
; REFERENCE/DOCKET NUMBER: 02307E-061411
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 46:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 125 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-09-315-574-46

Query Match 42.9%; Score 42; DB 4; Length 125;
Best Local Similarity 54.5%; Pred. No. 20;
Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 6 GIDFIIFWIFW 16
| | | | |
Db 26 GYDFTTYWIAW 36

RESULT 13
US-09-315-574-49
; Sequence 49, Application US/09315574
; Patent No. 6512097
; GENERAL INFORMATION:
; APPLICANT: Marks, James D.
; APPLICANT: Schier, Robert
; TITLE OF INVENTION: No. 6512097el High Affinity Human Antibodies to
; TITLE OF INVENTION: Tumor Antigens
; NUMBER OF SEQUENCES: 141
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Majestic, Parsons, Siebert & Hsue P.C.
; STREET: Four Embarcadero Center, Suite 1100
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-4106
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
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; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/315,574
; FILING DATE: 20-MAY-99
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/000,238
; FILING DATE: 14-JUN-1995
; APPLICATION NUMBER: US 60/000,250
; FILING DATE: 15-JUN-1995
; APPLICATION NUMBER: US 08/665,202
; FILING DATE: 13-JUN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Hunter, Tom
; REGISTRATION NUMBER: 38,498
; REFERENCE/DOCKET NUMBER: 02307E-061411
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 49:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 125 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-09-315-574-49

Query Match 42.9%; Score 42; DB 4; Length 125;
Best Local Similarity 54.5%; Pred. No. 20;
Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 6 GIDFIIFWIFW 16
| | | | |
Db 26 GYDFTTYWIAW 36

RESULT 14
US-09-315-574-51
; Sequence 51, Application US/09315574
; Patent No. 6512097
; GENERAL INFORMATION:
; APPLICANT: Marks, James D.
; APPLICANT: Schier, Robert
; TITLE OF INVENTION: No. 6512097el High Affinity Human Antibodies to
; TITLE OF INVENTION: Tumor Antigens
; NUMBER OF SEQUENCES: 141
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Majestic, Parsons, Siebert & Hsue P.C.
; STREET: Four Embarcadero Center, Suite 1100
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-4106
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/315,574
; FILING DATE: 20-MAY-99
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/000,238
; FILING DATE: 14-JUN-1995
; APPLICATION NUMBER: US 60/000,250
; FILING DATE: 15-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/665,202
; FILING DATE: 13-JUN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Hunter, Tom
; REGISTRATION NUMBER: 38,498
; REFERENCE/DOCKET NUMBER: 02307E-061411
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 49:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 125 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-09-315-574-49
```

; FILING DATE: 13-JUN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Hunter, Tom
; REGISTRATION NUMBER: 38,498
; REFERENCE/DOCKET NUMBER: 02307E-061411
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 51:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 125 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-09-315-574-51

Query Match 42.9%; Score 42; DB 4; Length 125;
Best Local Similarity 54.5%; Pred. No. 20;
Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 6 GIDFIIFWIFW 16
| | | | : | | |
Db 26 GYDFTTYWIAW 36

RESULT 15
US-08-483-151-2
; Sequence 2, Application US/08483151
; Patent No. 5858752
; GENERAL INFORMATION:
; APPLICANT: Seed, Brian
; APPLICANT: Holgersson, Jan
; TITLE OF INVENTION: FUCOSYLTRANSFERASE GENES AND USES THEREOF
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02110-2804

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/483,151
FILING DATE: 07-JUN-1995
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Lech, Karen F.
REGISTRATION NUMBER: 35,238
REFERENCE/DOCKET NUMBER: 00786/278001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/542-5070
TELEFAX: 617/542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 342 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-483-151-2

Query Match 42.9%; Score 42; DB 2; Length 342;
Best Local Similarity 45.5%; Pred. No. 57;
Matches 5; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY 6 GIDFIIFWIFW 16
| | | | : | | |

Db 21 GATFWIWFVW 31
RESULT 16
US-09-134-001C-4069
; Sequence 4069, Application US/09134001C
; Patent No. 6380370
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCC
; TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GTC-007
; CURRENT APPLICATION NUMBER: US/09/134,001C
; PRIOR FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/064,964
; PRIOR FILING DATE: 1997-11-08
; PRIOR APPLICATION NUMBER: US 60/055,779
; PRIOR FILING DATE: 1997-08-14
; NUMBER OF SEQ ID NOS: 5674
; SEQ ID NO 4069
; LENGTH: 518
; TYPE: PRT
; ORGANISM: Staphylococcus epidermidis
; FEATURE:
; NAME/KEY: UNSURE
; LOCATION: (6)
; OTHER INFORMATION: Identity of amino acid at the above locations are unknown.
US-09-134-001C-4069

Query Match 42.9%; Score 42; DB 4; Length 518;
Best Local Similarity 58.3%; Pred. No. 88;
Matches 7; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 2 QANCGIDFIIFW 13
: | | | | | | | |
Db 175 RSNCGIGFGKGFW 186

RESULT 17
US-08-318-157B-2
; Sequence 2, Application US/08318157B
; Patent No. 5874540
; GENERAL INFORMATION:
; APPLICANT: HANSEN, Hans J.
; APPLICANT: ARMOUR, Kathryn L.
; TITLE OF INVENTION: CDR-GRAFTED TYPE III ANTI-CEA HUMANIZED
; TITLE OF INVENTION: MOUSE MONOCLONAL ANTIBODIES
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 3000 K Street, N.W., Suite 500
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20007-5109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/318,157B
FILING DATE: 05-OCT-1994
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: SAXE, Bernhard D.
REGISTRATION NUMBER: 28,665
REFERENCE/DOCKET NUMBER: 18733/464
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)672-5300
TELEFAX: (202)672-5399
TELEX: 904136
INFORMATION FOR SEQ ID NO: 2:

; SEQUENCE CHARACTERISTICS:
; LENGTH: 119 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-318-157B-2

Query Match 41.8%; Score 41; DB 2; Length 119;
Best Local Similarity 42.9%; Pred. No. 27;
Matches 6; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

QY 3 ANCGIDFIIFWIFW 16
| | | | | : |
Db 23 AASGFDFTTYWMSW 36

RESULT 18

US-08-318-157B-12
; Sequence 12, Application US/08318157B
; Patent No. 5874540
; GENERAL INFORMATION:

; APPLICANT: HANSEN, Hans J.
; APPLICANT: ARMOUR, Kathryn L.
; TITLE OF INVENTION: CDR-GRAFTED TYPE III ANTI-CEA HUMANIZED
; TITLE OF INVENTION: MOUSE MONOCLONAL ANTIBODIES
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Foley & Lardner
; STREET: 3000 K Street, N.W., Suite 500
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA

; ZIP: 20007-5109

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/318,157B

; FILING DATE: 05-OCT-1994

; CLASSIFICATION: 424

; ATTORNEY/AGENT INFORMATION:

; NAME: SAXE, Bernhard D.

; REGISTRATION NUMBER: 28,665

; REFERENCE/DOCKET NUMBER: 18733/464

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (202)672-5300

; TELEFAX: (202)672-5399

; TELEX: 904136

; INFORMATION FOR SEQ ID NO: 12:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 119 amino acids

; TYPE: amino acid

; STRANDEDNESS:

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-08-318-157B-12

Query Match 41.8%; Score 41; DB 2; Length 119;
Best Local Similarity 35.7%; Pred. No. 27;
Matches 5; Conservative 4; Mismatches 5; Indels 0; Gaps 0;

QY 3 ANCGIDFIIFWIFW 16
: | | | | : |
Db 23 SSSGFDFTTYWMSW 36

RESULT 19

US-08-318-157B-17
; Sequence 17, Application US/08318157B
; Patent No. 5874540
; GENERAL INFORMATION:

; APPLICANT: HANSEN, Hans J.
; APPLICANT: ARMOUR, Kathryn L.
; TITLE OF INVENTION: CDR-GRAFTED TYPE III ANTI-CEA HUMANIZED
; TITLE OF INVENTION: MOUSE MONOCLONAL ANTIBODIES
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Foley & Lardner
; STREET: 3000 K Street, N.W., Suite 500
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA

; ZIP: 20007-5109

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/318,157B

; FILING DATE: 05-OCT-1994

; CLASSIFICATION: 424

; ATTORNEY/AGENT INFORMATION:

; NAME: SAXE, Bernhard D.

; REGISTRATION NUMBER: 28,665

; REFERENCE/DOCKET NUMBER: 18733/464

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (202)672-5300

; TELEFAX: (202)672-5399

; TELEX: 904136

; INFORMATION FOR SEQ ID NO: 17:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 119 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-08-318-157B-17

Query Match 41.8%; Score 41; DB 2; Length 119;
Best Local Similarity 35.7%; Pred. No. 27;
Matches 5; Conservative 4; Mismatches 5; Indels 0; Gaps 0;

QY 3 ANCGIDFIIFWIFW 16
: | | | | : |
Db 23 SSSGFDFTTYWMSW 36

RESULT 20

US-08-665-202-48

; Sequence 48, Application US/08665202

; Patent No. 5977322

; GENERAL INFORMATION:

; APPLICANT: Marks, James D.

; APPLICANT: Schier, Robert

; TITLE OF INVENTION: No. 5977322el High Affinity Human Antibodies to

; TITLE OF INVENTION: Tumor Antigens

; NUMBER OF SEQUENCES: 141

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Townsend and Townsend and Crew LLP

; STREET: Two Embarcadero Center, Eighth Floor

; CITY: San Francisco

; STATE: California

; COUNTRY: USA

; ZIP: 94111-3834

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/665,202

; FILING DATE: 13-JUN-1996

; CLASSIFICATION: 424

; PRIOR APPLICATION DATA:

;; APPLICATION NUMBER: US 60/000,238
;; FILING DATE: 14-JUN-1995
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US 60/000,250
;; FILING DATE: 15-JUN-1995
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Hunter, Tom
;; REGISTRATION NUMBER: 38,498
;; REFERENCE/DOCKET NUMBER: 02307E-061410
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (415) 576-0200
;; TELEFAX: (415) 576-0300
;; INFORMATION FOR SEQ ID NO: 48:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 125 amino acids
;; TYPE: amino acid
;; STRANDEDNESS:
;; TOPOLOGY: linear
;; MOLECULE TYPE: peptide
US-08-665-202-48

Query Match 41.8%; Score 41; DB 2; Length 125;
Best Local Similarity 54.5%; Pred. No. 29;
Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 6 GIDFIIFWIFW 16
| | | : | |
Db 26 GYDFSTYWIW 36

RESULT 21
US-08-665-202-50
; Sequence 50, Application US/08665202
; Patent No. 5977322
; GENERAL INFORMATION:
; APPLICANT: Marks, James D.
; APPLICANT: Schier, Robert
; TITLE OF INVENTION: No. 5977322el High Affinity Human Antibodies to
; TITLE OF INVENTION: Tumor Antigens
; NUMBER OF SEQUENCES: 141
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/665,202
; FILING DATE: 13-JUN-1996
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/000,238
; FILING DATE: 14-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/000,250
; FILING DATE: 15-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Hunter, Tom
; REGISTRATION NUMBER: 38,498
; REFERENCE/DOCKET NUMBER: 02307E-061410
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 50:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 125 amino acids
; TYPE: amino acid

;; STRANDEDNESS:
;; TOPOLOGY: linear
;; MOLECULE TYPE: peptide
US-08-665-202-50

Query Match 41.8%; Score 41; DB 2; Length 125;
Best Local Similarity 54.5%; Pred. No. 29;
Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 6 GIDFIIFWIFW 16
| | | : | |
Db 26 GYDFSTYWIW 36

RESULT 22
US-08-665-202-52
; Sequence 52, Application US/08665202
; Patent No. 5977322
; GENERAL INFORMATION:
; APPLICANT: Marks, James D.
; APPLICANT: Schier, Robert
; TITLE OF INVENTION: No. 5977322el High Affinity Human Antibodies to
; TITLE OF INVENTION: Tumor Antigens
; NUMBER OF SEQUENCES: 141
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/665,202
; FILING DATE: 13-JUN-1996
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/000,238
; FILING DATE: 14-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/000,250
; FILING DATE: 15-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Hunter, Tom
; REGISTRATION NUMBER: 38,498
; REFERENCE/DOCKET NUMBER: 02307E-061410
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 52:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 125 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-665-202-52

Query Match 41.8%; Score 41; DB 2; Length 125;
Best Local Similarity 54.5%; Pred. No. 29;
Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 6 GIDFIIFWIFW 16
| | | : | |
Db 26 GYDFSTYWIW 36

RESULT 23
US-08-665-202-53

REGISTRATION NUMBER: 38,498
REFERENCE/DOCKET NUMBER: 02307E-061410
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 55:
SEQUENCE CHARACTERISTICS:
LENGTH: 125 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-665-202-55

Query Match 41.8%; Score 41; DB 2; Length 125;
Best Local Similarity 54.5%; Pred. No. 29;
Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 6 GIDFIIFWIFW 16
| | | : | | |
Db 26 GYDFSTYWIAW 36

RESULT 26
US-08-665-202-57
Sequence 57, Application US/08665202
Patent No. 5977322
GENERAL INFORMATION:
APPLICANT: Marks, James D.
APPLICANT: Schier, Robert
TITLE OF INVENTION: No. 5977322el High Affinity Human Antibodies to
NUMBER OF SEQUENCES: 141
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/665,202
FILING DATE: 13-JUN-1996
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/000,238
FILING DATE: 14-JUN-1995
APPLICATION DATA:
FILING DATE: 15-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Hunter, Tom
REGISTRATION NUMBER: 38,498
REFERENCE/DOCKET NUMBER: 02307E-061410
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 57:
SEQUENCE CHARACTERISTICS:
LENGTH: 125 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-665-202-57

Query Match 41.8%; Score 41; DB 2; Length 125;
Best Local Similarity 54.5%; Pred. No. 29;

Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;
QY 6 GIDFIIFWIFW 16
| | | : | | |
Db 26 GYDFSTYWIAW 36

RESULT 27
US-09-315-574-48
Sequence 48, Application US/09315574
Patent No. 6512097
GENERAL INFORMATION:
APPLICANT: Marks, James D.
APPLICANT: Schier, Robert
TITLE OF INVENTION: No. 6512097el High Affinity Human Antibodies to
TITLE OF INVENTION: Tumor Antigens
NUMBER OF SEQUENCES: 141
CORRESPONDENCE ADDRESS:
ADDRESSEE: Majestic, Parsons, Siebert & Hsue P.C.
STREET: Four Embarcadero Center, Suite 1100
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-4106
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/315,574
FILING DATE: 20-MAY-99
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/000,238
FILING DATE: 14-JUN-1995
APPLICATION DATA:
FILING DATE: 15-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/665,202
FILING DATE: 13-JUN-1996
ATTORNEY/AGENT INFORMATION:
NAME: Hunter, Tom
REGISTRATION NUMBER: 38,498
REFERENCE/DOCKET NUMBER: 02307E-061411
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 48:
SEQUENCE CHARACTERISTICS:
LENGTH: 125 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-09-315-574-48

Query Match 41.8%; Score 41; DB 4; Length 125;
Best Local Similarity 54.5%; Pred. No. 29;
Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 6 GIDFIIFWIFW 16
| | | : | | |
Db 26 GYDFSTYWIAW 36

RESULT 28
US-09-315-574-50
Sequence 50, Application US/09315574
Patent No. 6512097
GENERAL INFORMATION:
APPLICANT: Marks, James D.

```

; APPLICANT: Schier, Robert
; TITLE OF INVENTION: No. 6512097el High Affinity Human Antibodies to
; TITLE OF INVENTION: Tumor Antigens
; NUMBER OF SEQUENCES: 141
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Majestic, Parsons, Siebert & Hsue P.C.
; STREET: Four Embarcadero Center, Suite 1100
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-4106
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/315,574
; FILING DATE: 20-MAY-99
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/000,238
; FILING DATE: 14-JUN-1995
; APPLICATION NUMBER: US 60/000,250
; FILING DATE: 15-JUN-1995
; APPLICATION NUMBER: US 08/665,202
; FILING DATE: 13-JUN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Hunter, Tom
; REGISTRATION NUMBER: 38,498
; REFERENCE/DOCKET NUMBER: 02307E-061411
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 50:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 125 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-09-315-574-50

Query Match 41.8%; Score 41; DB 4; Length 125;
Best Local Similarity 54.5%; Pred. No. 29;
Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 6 GIDFIIFWIFW 16
| | | : | | |
Db 26 GYDFSTYWIAW 36

RESULT 29
US-09-315-574-52
; Sequence 52, Application US/09315574
; Patent No. 6512097
; GENERAL INFORMATION:
; APPLICANT: Marks, James D.
; APPLICANT: Schier, Robert
; TITLE OF INVENTION: No. 6512097el High Affinity Human Antibodies to
; NUMBER OF SEQUENCES: 141
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Majestic, Parsons, Siebert & Hsue P.C.
; STREET: Four Embarcadero Center, Suite 1100
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-4106
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/315,574
; FILING DATE: 20-MAY-99
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/000,238
; FILING DATE: 14-JUN-1995
; APPLICATION NUMBER: US 60/000,250
; FILING DATE: 15-JUN-1995
; APPLICATION NUMBER: US 08/665,202
; FILING DATE: 13-JUN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Hunter, Tom
; REGISTRATION NUMBER: 38,498
; REFERENCE/DOCKET NUMBER: 02307E-061411
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 50:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 125 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-09-315-574-50

```

```

; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/315,574
; FILING DATE: 20-MAY-99
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/000,238
; FILING DATE: 14-JUN-1995
; APPLICATION NUMBER: US 60/000,250
; FILING DATE: 15-JUN-1995
; APPLICATION NUMBER: US 08/665,202
; FILING DATE: 13-JUN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Hunter, Tom
; REGISTRATION NUMBER: 38,498
; REFERENCE/DOCKET NUMBER: 02307E-061411
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 52:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 125 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-09-315-574-52

Query Match 41.8%; Score 41; DB 4; Length 125;
Best Local Similarity 54.5%; Pred. No. 29;
Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 6 GIDFIIFWIFW 16
| | | : | | |
Db 26 GYDFSTYWIAW 36

RESULT 30
US-09-315-574-53
; Sequence 53, Application US/09315574
; Patent No. 6512097
; GENERAL INFORMATION:
; APPLICANT: Marks, James D.
; APPLICANT: Schier, Robert
; TITLE OF INVENTION: No. 6512097el High Affinity Human Antibodies to
; NUMBER OF SEQUENCES: 141
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Majestic, Parsons, Siebert & Hsue P.C.
; STREET: Four Embarcadero Center, Suite 1100
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-4106
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/315,574
; FILING DATE: 20-MAY-99
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/000,238
; FILING DATE: 14-JUN-1995
; APPLICATION NUMBER: US 60/000,250
; FILING DATE: 15-JUN-1995
; APPLICATION NUMBER: US 08/665,202
; FILING DATE: 13-JUN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Hunter, Tom
; REGISTRATION NUMBER: 38,498
; REFERENCE/DOCKET NUMBER: 02307E-061411
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 52:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 125 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-09-315-574-52

```



```

; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/665,202
; FILING DATE: 13-JUN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Hunter, Tom
; REGISTRATION NUMBER: 38,498
; REFERENCE/DOCKET NUMBER: 02307E-061411
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 53:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 125 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-09-315-574-53

```

```

Query Match 41.8%; Score 41; DB 4; Length 125;
Best Local Similarity 54.5%; Pred. No. 29;
Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

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QY 6 GIDFIIFWIFW 16
   |||:||||
Db 26 GYDFSTYWIW 36

```

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RESULT 31
US-09-315-574-54
; Sequence 54, Application US/09315574
; Patent No. 6512097
; GENERAL INFORMATION:
; APPLICANT: Marks, James D.
; APPLICANT: Schier, Robert
; TITLE OF INVENTION: No. 6512097el High Affinity Human Antibodies to
; TITLE OF INVENTION: Tumor Antigens
; NUMBER OF SEQUENCES: 141
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Majestic, Parsons, Siebert & Hsue P.C.
; STREET: Four Embarcadero Center, Suite 1100
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-4106
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/315,574
; FILING DATE: 20-MAY-99
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/000,238
; FILING DATE: 14-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/000,250
; FILING DATE: 15-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/665,202
; FILING DATE: 13-JUN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Hunter, Tom
; REGISTRATION NUMBER: 38,498
; REFERENCE/DOCKET NUMBER: 02307E-061411
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 54:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 125 amino acids

```

```

; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-09-315-574-54

```

```

Query Match 41.8%; Score 41; DB 4; Length 125;
Best Local Similarity 54.5%; Pred. No. 29;
Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

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QY 6 GIDFIIFWIFW 16
   |||:||||
Db 26 GYDFSTYWIW 36

```

```

RESULT 32
US-09-315-574-55
; Sequence 55, Application US/09315574
; Patent No. 6512097
; GENERAL INFORMATION:
; APPLICANT: Marks, James D.
; APPLICANT: Schier, Robert
; TITLE OF INVENTION: No. 6512097el High Affinity Human Antibodies to
; TITLE OF INVENTION: Tumor Antigens
; NUMBER OF SEQUENCES: 141
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Majestic, Parsons, Siebert & Hsue P.C.
; STREET: Four Embarcadero Center, Suite 1100
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-4106
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/315,574
; FILING DATE: 20-MAY-99
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/000,238
; FILING DATE: 14-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/000,250
; FILING DATE: 15-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/665,202
; FILING DATE: 13-JUN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Hunter, Tom
; REGISTRATION NUMBER: 38,498
; REFERENCE/DOCKET NUMBER: 02307E-061411
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 55:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 125 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-09-315-574-55

```

```

Query Match 41.8%; Score 41; DB 4; Length 125;
Best Local Similarity 54.5%; Pred. No. 29;
Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

```

```

QY 6 GIDFIIFWIFW 16
   |||:||||
Db 26 GYDFSTYWIW 36

```

```
RESULT 33
US-09-315-574-57
; Sequence 57, Application US/09315574
; Patent No. 6512097
; GENERAL INFORMATION:
; APPLICANT: Marks, James D.
; APPLICANT: Schier, Robert
; TITLE OF INVENTION: No. 6512097el High Affinity Human Antibodies to
; TITLE OF INVENTION: Tumor Antigens
; NUMBER OF SEQUENCES: 141
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Majestic, Parsons, Siebert & Hsue P.C.
; STREET: Four Embarcadero Center, Suite 1100
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-4106
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/315,574
; FILING DATE: 20-MAY-99
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/000,238
; FILING DATE: 14-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/000,250
; FILING DATE: 15-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/665,202
; FILING DATE: 13-JUN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Hunter, Tom
; REGISTRATION NUMBER: 38,498
; REFERENCE/DOCKET NUMBER: 02307E-061411
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 57:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 125 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-09-315-574-57

Query Match 41.8%; Score 41; DB 4; Length 125;
Best Local Similarity 54.5%; Pred. No. 29;
Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 6 GIDFIIFWIFW 16
| | | | |
Db 26 GYDFSTYIAW 36

RESULT 34
US-09-136-315-2
; Sequence 2, Application US/09136315B
; Patent No. 6228360
; GENERAL INFORMATION:
; APPLICANT: CO, MAN SUNG
; APPLICANT: VASQUEZ, MAXIMILLIANO
; TITLE OF INVENTION: ANTITHROMBOTIC AGENT AND HUMANIZED ANTI-VON WILLEBRAND
; TITLE OF INVENTION: FACTOR MONOCLONAL ANTIBODY
; FILE REFERENCE: 0010-0933-0
; CURRENT APPLICATION NUMBER: US/09/136,315B
```

```
; CURRENT FILING DATE: 1998-08-19
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 139
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-136-315-2

Query Match 41.8%; Score 41; DB 3; Length 139;
Best Local Similarity 50.0%; Pred. No. 32;
Matches 7; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

QY 3 ANCGIDFIIFWIFW 16
| | | | |
Db 41 AASGFDFSRFWSW 54

RESULT 35
US-09-136-315-6
; Sequence 6, Application US/09136315B
; Patent No. 6228360
; GENERAL INFORMATION:
; APPLICANT: CO, MAN SUNG
; APPLICANT: VASQUEZ, MAXIMILLIANO
; TITLE OF INVENTION: ANTITHROMBOTIC AGENT AND HUMANIZED ANTI-VON WILLEBRAND
; TITLE OF INVENTION: FACTOR MONOCLONAL ANTIBODY
; FILE REFERENCE: 0010-0933-0
; CURRENT APPLICATION NUMBER: US/09/136,315B
; CURRENT FILING DATE: 1998-08-19
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 139
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:SYNTHETIC DNA
US-09-136-315-6

Query Match 41.8%; Score 41; DB 3; Length 139;
Best Local Similarity 50.0%; Pred. No. 32;
Matches 7; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

QY 3 ANCGIDFIIFWIFW 16
| | | | |
Db 41 AASGFDFSRFWSW 54

RESULT 36
US-08-318-157B-8
; Sequence 8, Application US/08318157B
; Patent No. 5874540
; GENERAL INFORMATION:
; APPLICANT: HANSEN, Hans J.
; APPLICANT: ARMOUR, Kathryn L.
; TITLE OF INVENTION: CDR-GRAFTED TYPE III ANTI-CEA HUMANIZED
; TITLE OF INVENTION: MOUSE MONOCLONAL ANTIBODIES
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 3000 K Street, N.W., Suite 500
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20007-5109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/318,157B
```

;; FILING DATE: 05-OCT-1994
;; CLASSIFICATION: 424
;; ATTORNEY/AGENT INFORMATION:
;; NAME: SAXE, Bernhard D.
;; REGISTRATION NUMBER: 28,665
;; REFERENCE/DOCKET NUMBER: 18733/464
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (202)672-5300
;; TELEFAX: (202)672-5399
;; TELEX: 904136
;; INFORMATION FOR SEQ ID NO: 8:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 119 amino acids
;; TYPE: amino acid
;; STRANDEDNESS:
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
; US-08-318-157B-8

Query Match 40.8%; Score 40; DB 2; Length 119;
Best Local Similarity 45.5%; Pred. No. 39;
Matches 5; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY 6 GIDFIIFWIFW 16
| | | : | : |
Db 26 GFDFTTYWMSW 36

RESULT 37
US-08-318-157B-9
; Sequence 9, Application US/08318157B
; Patent No. 5874540
; GENERAL INFORMATION:
; APPLICANT: HANSEN, Hans J.
; APPLICANT: ARMOUR, Kathryn L.
; TITLE OF INVENTION: CDR-GRAFTED TYPE III ANTI-CEA HUMANIZED
; TITLE OF INVENTION: MOUSE MONOCLONAL ANTIBODIES
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 3000 K Street, N.W., Suite 500
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20007-5109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/318,157B
; FILING DATE: 05-OCT-1994
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: SAXE, Bernhard D.
; REGISTRATION NUMBER: 28,665
; REFERENCE/DOCKET NUMBER: 18733/464
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)672-5300
; TELEFAX: (202)672-5399
; TELEX: 904136
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 119 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-318-157B-9

Query Match 40.8%; Score 40; DB 2; Length 119;
Best Local Similarity 45.5%; Pred. No. 39;

Matches 5; Conservative 2; Mismatches 4; Indels 0; Gaps 0;
QY 6 GIDFIIFWIFW 16
| | | : | : |
Db 26 GFDFTTYWMSW 36

RESULT 38
US-08-318-157B-10
; Sequence 10, Application US/08318157B
; Patent No. 5874540
; GENERAL INFORMATION:
; APPLICANT: HANSEN, Hans J.
; APPLICANT: ARMOUR, Kathryn L.
; TITLE OF INVENTION: CDR-GRAFTED TYPE III ANTI-CEA HUMANIZED
; TITLE OF INVENTION: MOUSE MONOCLONAL ANTIBODIES
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 3000 K Street, N.W., Suite 500
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20007-5109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/318,157B
; FILING DATE: 05-OCT-1994
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: SAXE, Bernhard D.
; REGISTRATION NUMBER: 28,665
; REFERENCE/DOCKET NUMBER: 18733/464
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)672-5300
; TELEFAX: (202)672-5399
; TELEX: 904136
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 119 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-318-157B-10

Query Match 40.8%; Score 40; DB 2; Length 119;
Best Local Similarity 45.5%; Pred. No. 39;
Matches 5; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY 6 GIDFIIFWIFW 16
| | | : | : |
Db 26 GFDFTTYWMSW 36

RESULT 39
US-08-318-157B-11
; Sequence 11, Application US/08318157B
; Patent No. 5874540
; GENERAL INFORMATION:
; APPLICANT: HANSEN, Hans J.
; APPLICANT: ARMOUR, Kathryn L.
; TITLE OF INVENTION: CDR-GRAFTED TYPE III ANTI-CEA HUMANIZED
; TITLE OF INVENTION: MOUSE MONOCLONAL ANTIBODIES
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 3000 K Street, N.W., Suite 500
; CITY: Washington

```

; STATE: D.C.
; COUNTRY: USA
; ZIP: 20007-5109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/318,157B
; FILING DATE: 05-OCT-1994
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: SAXE, Bernhard D.
; REGISTRATION NUMBER: 28,665
; REFERENCE/DOCKET NUMBER: 18733/464
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)672-5300
; TELEFAX: (202)672-5399
; TELEX: 904136
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 119 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-318-157B-11

```

```

Query Match 40.8%; Score 40; DB 2; Length 119;
Best Local Similarity 45.5%; Pred. No. 39;
Matches 5; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

```

```

QY 6 GIDFIIPWIFW 16
Db 26 GFDFTTYWMSW 36

```

RESULT 40

```

US-08-318-157B-13
; Sequence 13, Application US/08318157B
; Patent No. 5874540
; GENERAL INFORMATION:
; APPLICANT: HANSEN, Hans J.
; APPLICANT: ARMOUR, Kathryn L.
; TITLE OF INVENTION: CDR-GRAFTED TYPE III ANTI-CEA HUMANIZED
; TITLE OF INVENTION: MOUSE MONOCLONAL ANTIBODIES
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 3000 K Street, N.W., Suite 500
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20007-5109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/318,157B
; FILING DATE: 05-OCT-1994
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: SAXE, Bernhard D.
; REGISTRATION NUMBER: 28,665
; REFERENCE/DOCKET NUMBER: 18733/464
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)672-5300
; TELEFAX: (202)672-5399
; TELEX: 904136
; INFORMATION FOR SEQ ID NO: 13:

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; SEQUENCE CHARACTERISTICS:
; LENGTH: 119 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-318-157B-13

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Query Match 40.8%; Score 40; DB 2; Length 119;
Best Local Similarity 45.5%; Pred. No. 39;
Matches 5; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

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QY 6 GIDFIIPWIFW 16
Db 26 GFDFTTYWMSW 36

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Search completed: October 28, 2003, 16:57:25
Job time : 5.10619 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - protein search, using sw model

Run on: October 28, 2003, 16:56:30 ; Search time 12.885 Seconds
(without alignments)
207.946 Million cell updates/sec

Title: US-09-854-133-587
Perfect score: 98
Sequence: 1 FQANCGIDFIIFWIFW 16

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 629382 seqs, 167460630 residues

Total number of hits satisfying chosen parameters: 629382

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA:*
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18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	ID	Description
1	98	100.0	16	10 US-09-738-973-587	Sequence 587, App
2	98	100.0	16	10 US-09-854-133-587	Sequence 587, App
3	98	100.0	16	15 US-10-144-649A-587	Sequence 587, App
4	98	100.0	97	10 US-09-738-973-586	Sequence 586, App
5	98	100.0	97	10 US-09-854-133-586	Sequence 586, App
6	98	100.0	97	15 US-10-144-649A-586	Sequence 586, App
7	98	100.0	114	15 US-10-144-649A-742	Sequence 742, App
8	46	46.9	64	10 US-09-925-300-1842	Sequence 1842, Ap
9	46	46.9	123	10 US-09-850-165-90	Sequence 90, Appl
10	45	45.9	218	12 US-10-017-161-544	Sequence 544, App
11	45	45.9	284	12 US-10-407-960-4	Sequence 4, Appli
12	45	45.9	323	9 US-09-816-087-4	Sequence 4, Appli
13	45	45.9	323	12 US-10-017-161-746	Sequence 746, App
14	45	45.9	323	15 US-10-266-643-4	Sequence 4, Appli
15	45	45.9	327	12 US-10-237-467-6	Sequence 6, Appli

16	45	45.9	343	10 US-09-985-694A-2	Sequence 2, Appli
17	45	45.9	343	10 US-09-985-694A-9	Sequence 9, Appli
18	45	45.9	343	11 US-09-929-752-2	Sequence 2, Appli
19	45	45.9	343	11 US-09-929-752-9	Sequence 9, Appli
20	45	45.9	343	12 US-10-305-555-14	Sequence 14, Appl
21	45	45.9	343	14 US-10-176-079-2	Sequence 2, Appli
22	45	45.9	343	14 US-10-176-079-9	Sequence 9, Appli
23	45	45.9	343	15 US-10-225-567A-482	Sequence 482, App
24	45	45.9	343	15 US-10-184-426-2	Sequence 2, Appli
25	45	45.9	343	15 US-10-184-426-9	Sequence 9, Appli
26	43	43.9	248	9 US-09-925-299-973	Sequence 973, App
27	43	43.9	248	11 US-09-925-299-973	Sequence 973, App
28	43	43.9	475	9 US-09-815-242-11503	Sequence 11503, A
29	43	43.9	519	9 US-09-815-242-11388	Sequence 11388, A
30	43	43.9	519	10 US-09-895-913A-118	Sequence 118, App
31	43	43.9	805	12 US-10-217-939-28	Sequence 28, Appl
32	42.5	42.4	393	10 US-09-784-077-2	Sequence 2, Appli
33	42	42.9	42	9 US-09-789-561-132	Sequence 132, App
34	42	42.9	619	9 US-09-729-094-4	Sequence 4, Appli
35	42	42.9	619	12 US-10-435-631-4	Sequence 4, Appli
36	41	41.8	77	9 US-09-764-869-1073	Sequence 1073, Ap
37	41	41.8	77	15 US-10-091-504-1073	Sequence 1073, Ap
38	41	41.8	119	9 US-09-253-794-2	Sequence 2, Appli
39	41	41.8	119	9 US-09-253-794-12	Sequence 12, Appl
40	41	41.8	119	9 US-09-253-794-17	Sequence 17, Appl
41	41	41.8	139	12 US-10-289-181-2	Sequence 2, Appli
42	41	41.8	139	12 US-10-289-181-6	Sequence 6, Appli
43	41	41.8	230	10 US-09-738-626-5746	Sequence 5746, Ap
44	41	41.8	283	12 US-09-907-218-6	Sequence 6, Appli
45	41	41.8	295	12 US-10-017-161-590	Sequence 590, App

ALIGNMENTS

RESULT 1
US-09-738-973-587
; Sequence 587, Application US/09738973
; Patent No. US20020110563A1
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Fling, Steven P.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Algate, Paul A.
; APPLICANT: Secrist, Heather
; APPLICANT: Indirias, Carol Yoseph
; APPLICANT: Benson, Darin R.
; APPLICANT: Elliot, Mark
; APPLICANT: Mannion, Jane
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C9
; CURRENT APPLICATION NUMBER: US/09/738,973
; CURRENT FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 587
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 587
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-738-973-587

Query Match 100.0%; Score 98; DB 10; Length 16;
Best Local Similarity 100.0%; Pred. No. 3.7e-08;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FQANCGIDFIIFWIFW 16
Db 1 FQANCGIDFIIFWIFW 16

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RESULT 2
US-09-854-133-587
; Sequence 587, Application US/09854133
; Publication No. US20020183499A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Henderson, Robert A.
; APPLICANT: Benson, Darin R.
; APPLICANT: Secrist, Heather
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C10
; CURRENT APPLICATION NUMBER: US/09/854,133
; CURRENT FILING DATE: 2001-05-11
; NUMBER OF SEQ ID NOS: 735
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 587
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-854-133-587

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Query Match      100.0%; Score 98; DB 10; Length 16;
Best Local Similarity 100.0%; Pred. No. 3.7e-08;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 FOANCGIDFIIFWIFW 16
      |||||||
Db      1 FOANCGIDFIIFWIFW 16

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RESULT 3
US-10-144-649A-587
; Sequence 587, Application US/10144649A
; Publication No. US20030118599A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Algate, Paul A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C11
; CURRENT APPLICATION NUMBER: US/10/144,649A
; CURRENT FILING DATE: 2002-08-21
; NUMBER OF SEQ ID NOS: 749
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 587
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-144-649A-587

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Query Match      100.0%; Score 98; DB 15; Length 16;
Best Local Similarity 100.0%; Pred. No. 3.7e-08;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 FOANCGIDFIIFWIFW 16
      |||||||
Db      1 FOANCGIDFIIFWIFW 16

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RESULT 4
US-09-738-973-586
; Sequence 586, Application US/09738973
; Patent No. US20020110563A1
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Lodes, Michael J.

```

```

; APPLICANT: Fling, Steven P.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Algate, Paul A.
; APPLICANT: Secrist, Heather
; APPLICANT: Indirias, Carol Yoseph
; APPLICANT: Benson, Darin R.
; APPLICANT: Elliot, Mark
; APPLICANT: Mannion, Jane
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C9
; CURRENT APPLICATION NUMBER: US/09/738,973
; CURRENT FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 587
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 586
; LENGTH: 97
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-738-973-586

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Query Match      100.0%; Score 98; DB 10; Length 97;
Best Local Similarity 100.0%; Pred. No. 1.9e-07;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 FOANCGIDFIIFWIFW 16
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Db      35 FOANCGIDFIIFWIFW 50

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RESULT 5
US-09-854-133-586
; Sequence 586, Application US/09854133
; Publication No. US20020183499A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Henderson, Robert A.
; APPLICANT: Benson, Darin R.
; APPLICANT: Secrist, Heather
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C10
; CURRENT APPLICATION NUMBER: US/09/854,133
; CURRENT FILING DATE: 2001-05-11
; NUMBER OF SEQ ID NOS: 735
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 586
; LENGTH: 97
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-854-133-586

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Query Match      100.0%; Score 98; DB 10; Length 97;
Best Local Similarity 100.0%; Pred. No. 1.9e-07;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 FOANCGIDFIIFWIFW 16
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Db      35 FOANCGIDFIIFWIFW 50

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RESULT 6
US-10-144-649A-586
; Sequence 586, Application US/10144649A
; Publication No. US20030118599A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Algate, Paul A.
; APPLICANT: McNeill, Patricia D.

```

```

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C11
; CURRENT APPLICATION NUMBER: US/10/144,649A
; CURRENT FILING DATE: 2002-08-21
; NUMBER OF SEQ ID NOS: 749
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 586
; LENGTH: 97
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-144-649A-586

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Query Match      100.0%; Score 98; DB 15; Length 97;
Best Local Similarity 100.0%; Pred. No. 1.9e-07;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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      |||||
Db      35  FQANCGIDFIIFWIFW 50

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RESULT 7
US-10-144-649A-742
; Sequence 742, Application US/10144649A
; Publication No. US20030118599A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Algate, Paul A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C11
; CURRENT APPLICATION NUMBER: US/10/144,649A
; CURRENT FILING DATE: 2002-08-21
; NUMBER OF SEQ ID NOS: 749
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 742
; LENGTH: 114
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-144-649A-742

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Best Local Similarity 100.0%; Pred. No. 2.1e-07;
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Db      52  FQANCGIDFIIFWIFW 67

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RESULT 8
US-09-925-300-1842
; Sequence 1842, Application US/09925300
; Patent No. US20020151681A1
; GENERAL INFORMATION:
; APPLICANT: Craig Rosen,
; APPLICANT: Steve Ruben
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA101
; CURRENT APPLICATION NUMBER: US/09/925,300
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05988
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 1890
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1842
; LENGTH: 64

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; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-925-300-1842

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Query Match      46.9%; Score 46; DB 10; Length 64;
Best Local Similarity 50.0%; Pred. No. 7;
Matches 6; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

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Db      29  ESNCGLDVSPFF 40

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RESULT 9
US-09-850-165-90
; Sequence 90, Application US/09850165
; Patent No. US20020150580A1
; GENERAL INFORMATION:
; APPLICANT: NEWMAN, ROLAND A.
; APPLICANT: HANNA, NABIL
; APPLICANT: RAAB, RONALD W.
; TITLE OF INVENTION: RECOMBINANT ANTIBODIES FOR HUMAN THERAPY
; FILE REFERENCE: 037003-0280614
; CURRENT APPLICATION NUMBER: US/09/850,165
; CURRENT FILING DATE: 2001-05-08
; PRIOR APPLICATION NUMBER: 09/082,472
; PRIOR FILING DATE: 1998-05-21
; PRIOR APPLICATION NUMBER: 08/476,237
; PRIOR FILING DATE: 1995-06-07
; PRIOR APPLICATION NUMBER: 08/397,072
; PRIOR FILING DATE: 1995-04-17
; PRIOR APPLICATION NUMBER: 07/912,292
; PRIOR FILING DATE: 1992-07-10
; PRIOR APPLICATION NUMBER: 07/856,281
; PRIOR FILING DATE: 1992-03-23
; PRIOR APPLICATION NUMBER: 07/735,064
; PRIOR FILING DATE: 1991-07-25
; NUMBER OF SEQ ID NOS: 114
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 90
; LENGTH: 123
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: monkey clone
US-09-850-165-90

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Query Match      46.9%; Score 46; DB 10; Length 123;
Best Local Similarity 58.3%; Pred. No. 13;
Matches 7; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

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QY      5  CGIDFIIFWIFW 16
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Db      25  CGFSFTGFWISW 36

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RESULT 10
US-10-017-161-544
; Sequence 544, Application US/10017161
; Publication No. US20030143668A1
; GENERAL INFORMATION:
; APPLICANT: SUWA, MAKIKO
; APPLICANT: ASAI, KIYOSHI
; APPLICANT: AKIYAMA, YUTAKA
; APPLICANT: ABURATANI, HIROYUKI
; TITLE OF INVENTION: NOVEL G PROTEIN-COUPLED RECEPTORS
; FILE REFERENCE: 084335/0152
; CURRENT APPLICATION NUMBER: US/10/017,161
; CURRENT FILING DATE: 2002-12-18
; PRIOR APPLICATION NUMBER: JP 2001/246789
; PRIOR FILING DATE: 2001-06-18
; NUMBER OF SEQ ID NOS: 2430

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; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 544
; LENGTH: 218
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-017-161-544

Query Match      45.9%; Score 45; DB 12; Length 218;
Best Local Similarity 60.0%; Pred. No. 29;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY      6 GIDFIIIFWIF 15
Db      131 GIDWFLFWVF 140

RESULT 11
US-10-407-960-4
; Sequence 4, Application US/10407960
; Publication No. US20030162946A1
; GENERAL INFORMATION:
; APPLICANT: WEI, Ming-Hui et al.
; TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED
; TITLE OF INVENTION: RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR
; TITLE OF INVENTION: PROTEINS, AND USES THEREOF
; FILE REFERENCE: CL000748CON
; CURRENT APPLICATION NUMBER: US/10/407,960
; CURRENT FILING DATE: 2003-04-09
; PRIOR APPLICATION NUMBER: 09/633,146
; PRIOR FILING DATE: 2000-08-04
; PRIOR APPLICATION NUMBER: 60/199,149
; PRIOR FILING DATE: 2000-04-24
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 284
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-10-407-960-4

Query Match      45.9%; Score 45; DB 12; Length 284;
Best Local Similarity 60.0%; Pred. No. 37;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY      6 GIDFIIIFWIF 15
Db      212 GIDWFLFWVF 221

RESULT 12
US-09-816-087-4
; Sequence 4, Application US/09816087
; Patent No. US20020064822A1
; GENERAL INFORMATION:
; APPLICANT: WEI, Ming-Hui
; TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED
; TITLE OF INVENTION: RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR
; TITLE OF INVENTION: PROTEINS, AND USES THEREOF
; FILE REFERENCE: CL000749-CIP
; CURRENT APPLICATION NUMBER: US/09/816,087
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 323
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-09-816-087-4

Query Match      45.9%; Score 45; DB 9; Length 323;
Best Local Similarity 60.0%; Pred. No. 42;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY      6 GIDFIIIFWIF 15
Db      244 GIDWFLFWVF 253

RESULT 13
US-10-017-161-746
; Sequence 746, Application US/10017161
; Publication No. US20030143668A1
; GENERAL INFORMATION:
; APPLICANT: SUWA, MAKIKO
; APPLICANT: ASAI, KIYOSHI
; APPLICANT: AKIYAMA, YUTAKA
; APPLICANT: ABURATANI, HIROYUKI
; TITLE OF INVENTION: NOVEL G PROTEIN-COUPLED RECEPTORS
; FILE REFERENCE: 084335/0152
; CURRENT APPLICATION NUMBER: US/10/017,161
; CURRENT FILING DATE: 2002-12-18
; PRIOR APPLICATION NUMBER: JP 2001/246789
; PRIOR FILING DATE: 2001-06-18
; NUMBER OF SEQ ID NOS: 2430
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 746
; LENGTH: 323
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-017-161-746

Query Match      45.9%; Score 45; DB 12; Length 323;
Best Local Similarity 60.0%; Pred. No. 42;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY      6 GIDFIIIFWIF 15
Db      238 GIDWFLFWVF 247

RESULT 14
US-10-266-643-4
; Sequence 4, Application US/10266643
; Publication No. US20030059891A1
; GENERAL INFORMATION:
; APPLICANT: WEI, Ming-Hui
; TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED
; TITLE OF INVENTION: RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR
; TITLE OF INVENTION: PROTEINS, AND USES THEREOF
; FILE REFERENCE: CL000749-CON
; CURRENT APPLICATION NUMBER: US/10/266,643
; CURRENT FILING DATE: 2002-10-09
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 323
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-10-266-643-4

Query Match      45.9%; Score 45; DB 15; Length 323;
Best Local Similarity 60.0%; Pred. No. 42;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY      6 GIDFIIIFWIF 15
Db      244 GIDWFLFWVF 253

RESULT 15
US-10-237-467-6
; Sequence 6, Application US/10237467
; Publication No. US20030186324A1
; GENERAL INFORMATION:
; APPLICANT: Liao, Jiayu
; APPLICANT: Gray, Nathanael S.

```



```
/ APPLICANT: Caldwell, Jeremy C.
/ APPLICANT: Schultz, Peter G.
/ APPLICANT: IRM LLC
/ TITLE OF INVENTION: Sensory Neuron Receptors
/ FILE REFERENCE: 021288-001300US
/ CURRENT APPLICATION NUMBER: US/10/237,467
/ CURRENT FILING DATE: 2003-01-14
/ PRIOR APPLICATION NUMBER: US 60/317,879
/ PRIOR FILING DATE: 2001-09-07
/ NUMBER OF SEQ ID NOS: 18
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 6
/ LENGTH: 327
/ TYPE: PRT
/ ORGANISM: Homo sapiens
/ FEATURE:
/ OTHER INFORMATION: dorsal root ganglia G-protein coupled receptor (GPCR)
/ OTHER INFORMATION: 4 (DRG4) (X54KRCBY8WT)
US-10-237-467-6

Query Match          45.9%; Score 45; DB 12; Length 327;
Best Local Similarity 60.0%; Pred. No. 42;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY      6 GIDFIIFWIF 15
      |||: :||:|
Db      240 GIDWFLFWVF 249

RESULT 16
US-09-854-694A-2
/ Sequence 2, Application US/09985694A
/ Patent No. US20020150980A1
/ GENERAL INFORMATION:
/ APPLICANT: Li et al.
/ TITLE OF INVENTION: G-Protein Coupled Receptor
/ FILE REFERENCE: PF145P1C1
/ CURRENT APPLICATION NUMBER: US/09/985,694A
/ CURRENT FILING DATE: 2001-11-05
/ PRIOR APPLICATION NUMBER: 08/461,989
/ PRIOR FILING DATE: 1995-06-05
/ PRIOR APPLICATION NUMBER: PCT/US94/13296
/ PRIOR FILING DATE: 1994-11-18
/ NUMBER OF SEQ ID NOS: 9
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO 2
/ LENGTH: 343
/ TYPE: PRT
/ ORGANISM: human
US-09-854-694A-2

Query Match          45.9%; Score 45; DB 10; Length 343;
Best Local Similarity 60.0%; Pred. No. 44;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY      6 GIDFIIFWIF 15
      |||: :||:|
Db      256 GIDWFLFWVF 265

RESULT 17
US-09-854-694A-9
/ Sequence 9, Application US/09985694A
/ Patent No. US20020150980A1
/ GENERAL INFORMATION:
/ APPLICANT: Li et al.
/ TITLE OF INVENTION: G-Protein Coupled Receptor
/ FILE REFERENCE: PF145P1C1
/ CURRENT APPLICATION NUMBER: US/09/985,694A
/ CURRENT FILING DATE: 2001-11-05
/ PRIOR APPLICATION NUMBER: 08/461,989
/ PRIOR FILING DATE: 1995-06-05
/ PRIOR APPLICATION NUMBER: PCT/US94/13296
```

```
/ PRIOR FILING DATE: 1994-11-18
/ NUMBER OF SEQ ID NOS: 9
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO 9
/ LENGTH: 343
/ TYPE: PRT
/ ORGANISM: human
US-09-985-694A-9

Query Match          45.9%; Score 45; DB 10; Length 343;
Best Local Similarity 60.0%; Pred. No. 44;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY      6 GIDFIIFWIF 15
      |||: :||:|
Db      256 GIDWFLFWVF 265

RESULT 18
US-09-929-752-2
/ Sequence 2, Application US/09929752
/ Publication No. US20030113909A1
/ GENERAL INFORMATION:
/ APPLICANT: Hinuma, Shuji
/              Fujii, Ryo
/              Kawamata, Yuji
/ TITLE OF INVENTION: G PROTEIN COUPLED RECEPTOR PROTEIN,
/              PRODUCTION AND USE THEREOF
/ NUMBER OF SEQUENCES: 11
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: DIKE, BRONSTEIN, ROBERTS & CUSHMAN, LLP
/ STREET: 130 Water Street
/ CITY: Boston
/ STATE: MA
/ COUNTRY: USA
/ ZIP: 02109
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/929,752
/ FILING DATE: 14-Aug-2001
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 08/555,905
/ FILING DATE: <Unknown>
/ APPLICATION NUMBER: JP 7-215798
/ FILING DATE: 24-AUG-1995
/ APPLICATION NUMBER: JP 6-326611
/ FILING DATE: 28-DEC-1994
/ APPLICATION NUMBER: JP 7-007177
/ FILING DATE: 20-JAN-1995
/ APPLICATION NUMBER: JP 7-057186
/ FILING DATE: 16-MAR-1995
/ APPLICATION NUMBER: JP 7-224544
/ FILING DATE: 10-AUG-1995
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Conlin, David G.
/ REGISTRATION NUMBER: 27,026
/ REFERENCE/DOCKET NUMBER: 1550/45836
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 617-523-3400
/ TELEFAX: 617-523-6440
/ INFORMATION FOR SEQ ID NO: 2:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 343 amino acids
/ TYPE: amino acid
/ STRANDEDNESS: <Unknown>
/ TOPOLOGY: linear
/ MOLECULE TYPE: peptide
/ FRAGMENT TYPE: internal
/ SEQUENCE DESCRIPTION: SEQ ID NO: 2:
```

US-09-929-752-2

Query Match 45.9%; Score 45; DB 11; Length 343;
Best Local Similarity 60.0%; Pred. No. 44;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 6 GIDFIIFWIF 15
|||: |||:

Db 256 GIDWFLFWVF 265

RESULT 19

US-09-929-752-9

; Sequence 9, Application US/09929752

; Publication No. US20030113909A1

; GENERAL INFORMATION:

; APPLICANT: Hinuma, Shuji

; Fujii, Ryo

; Kawamata, Yuji

; TITLE OF INVENTION: G PROTEIN COUPLED RECEPTOR PROTEIN,

; PRODUCTION AND USE THEREOF

; NUMBER OF SEQUENCES: 11

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: DIKE, BRONSTEIN, ROBERTS & CUSHMAN, LLP

; STREET: 130 Water Street

; CITY: Boston

; STATE: MA

; COUNTRY: USA

; ZIP: 02109

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/929,752

; FILING DATE: 14-Aug-2001

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/555,905

; FILING DATE: <Unknown>

; APPLICATION NUMBER: JP 7-215798

; FILING DATE: 24-AUG-1995

; APPLICATION NUMBER: JP 6-326611

; FILING DATE: 28-DEC-1994

; APPLICATION NUMBER: JP 7-007177

; FILING DATE: 20-JAN-1995

; APPLICATION NUMBER: JP 7-057186

; FILING DATE: 16-MAR-1995

; APPLICATION NUMBER: JP 7-224544

; FILING DATE: 10-AUG-1995

; ATTORNEY/AGENT INFORMATION:

; NAME: Conlin, David G.

; REGISTRATION NUMBER: 27,026

; REFERENCE/DOCKET NUMBER: 1550/45836

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 617-523-3400

; TELEFAX: 617-523-6440

; INFORMATION FOR SEQ ID NO: 9:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 343 amino acids

; TYPE: amino acid

; STRANDEDNESS: <Unknown>

; TOPOLOGY: linear

; MOLECULE TYPE: peptide

; SEQUENCE DESCRIPTION: SEQ ID NO: 9:

US-09-929-752-9

Query Match

Best Local Similarity 45.9%; Score 45; DB 11; Length 343;

Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 6 GIDFIIFWIF 15

|||: |||:

Db 256 GIDWFLFWVF 265

RESULT 20

US-10-305-555-14

; Sequence 14, Application US/10305555

; Publication No. US20030157525A1

; GENERAL INFORMATION:

; APPLICANT: Bristol-Myers Squibb Company

; TITLE OF INVENTION: NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR, HGPRMY31, AND VARIANT

; METHODS OF USE THEREOF

; FILE REFERENCE: D0196 NP

; CURRENT APPLICATION NUMBER: US/10/305,555

; CURRENT FILING DATE: 2002-11-26

; PRIOR APPLICATION NUMBER: U.S. 60/333,337

; PRIOR FILING DATE: 2001-11-26

; PRIOR APPLICATION NUMBER: U.S. 60/355,619

; PRIOR FILING DATE: 2002-02-06

; NUMBER OF SEQ ID NOS: 42

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 14

; LENGTH: 343

; TYPE: PRT

; ORGANISM: Rattus norvegicus

; US-10-305-555-14

Query Match

Best Local Similarity 45.9%; Score 45; DB 12; Length 343;

Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 6 GIDFIIFWIF 15

|||: |||:

Db 256 GIDWFLFWVF 265

RESULT 21

US-10-176-079-2

; Sequence 2, Application US/10176079

; Publication No. US20020192760A1

; GENERAL INFORMATION:

; APPLICANT: Li et al.

; TITLE OF INVENTION: G-Protein Coupled Receptor

; FILE REFERENCE: PF145P1D1C1

; CURRENT APPLICATION NUMBER: US/10/176,079

; CURRENT FILING DATE: 2002-06-21

; PRIOR APPLICATION NUMBER: 09/562,909

; PRIOR FILING DATE: 2000-05-02

; PRIOR APPLICATION NUMBER: 08/461,989

; PRIOR FILING DATE: 1995-06-05

; PRIOR APPLICATION NUMBER: PCT/US94/13296

; PRIOR FILING DATE: 1994-11-18

; NUMBER OF SEQ ID NOS: 9

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 2

; LENGTH: 343

; TYPE: PRT

; ORGANISM: human

US-10-176-079-2

Query Match

Best Local Similarity 45.9%; Score 45; DB 14; Length 343;

Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 6 GIDFIIFWIF 15

|||: |||:

Db 256 GIDWFLFWVF 265

RESULT 22

US-10-176-079-9

; Sequence 9, Application US/10176079

; Publication No. US20020192760A1

; GENERAL INFORMATION:

```

; APPLICANT: Li et al.
; TITLE OF INVENTION: G-Protein Coupled Receptor
; FILE REFERENCE: PF145PIDIC1
; CURRENT APPLICATION NUMBER: US/10/176,079
; CURRENT FILING DATE: 2002-06-21
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 08/461,989
; PRIOR FILING DATE: 1995-06-05
; PRIOR APPLICATION NUMBER: PCT/US94/13296
; PRIOR FILING DATE: 1994-11-18
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 9
; LENGTH: 343
; TYPE: PRT
; ORGANISM: human
;
US-10-176-079-9

```

```

Query Match          45.9%; Score 45; DB 14; Length 343;
Best Local Similarity 60.0%; Pred. No. 44;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

```

```

QY      6 GIDFIIFWIF 15
      |||: :||:|
Db      256 GIDWFLFWVF 265

```

RESULT 23

```

US-10-225-567A-482
; Sequence 482, Application US/10225567A
; Publication No. US20030113798A1
; GENERAL INFORMATION:
; APPLICANT: LifeSpan Biosciences
; APPLICANT: Brown, Joseph P.
; APPLICANT: Burmer, Glenna C.
; APPLICANT: Roush, Christine L.
; TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTORS
; FILE REFERENCE: 1920-4-4
; CURRENT APPLICATION NUMBER: US/10/225,567A
; CURRENT FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 60/257,144
; PRIOR FILING DATE: 2000-12-19
; NUMBER OF SEQ ID NOS: 2292
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 482
; LENGTH: 343
; TYPE: PRT
; ORGANISM: Homo sapiens
;
US-10-225-567A-482

```

```

Query Match          45.9%; Score 45; DB 15; Length 343;
Best Local Similarity 60.0%; Pred. No. 44;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

```

```

QY      6 GIDFIIFWIF 15
      |||: :||:|
Db      256 GIDWFLFWVF 265

```

RESULT 24

```

US-10-184-426-2
; Sequence 2, Application US/10184426
; Publication No. US20030118586A1
; GENERAL INFORMATION:
; APPLICANT: Hinuma, Shuji
;              Fujii, Ryo
;              Kawamata, Yuji
; TITLE OF INVENTION: G PROTEIN COUPLED RECEPTOR PROTEIN,
; PRODUCTION AND USE THEREOF
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: DIKE, BRONSTEIN, ROBERTS & CUSHMAN, LLP

```

```

; STREET: 130 Water Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/184,426
; FILING DATE: 28-Jun-2002
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/555,905
; FILING DATE: 13-NOV-1995
; APPLICATION NUMBER: JP 6-279545
; FILING DATE: 14-NOV-1994
; APPLICATION NUMBER: JP 7-215798
; FILING DATE: 24-AUG-1995
; APPLICATION NUMBER: JP 6-326611
; FILING DATE: 28-DEC-1994
; APPLICATION NUMBER: JP 7-007177
; FILING DATE: 20-JAN-1995
; APPLICATION NUMBER: JP 7-057186
; FILING DATE: 16-MAR-1995
; APPLICATION NUMBER: JP 7-224544
; FILING DATE: 10-AUG-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Conlin, David G.
; REGISTRATION NUMBER: 27,026
; REFERENCE/DOCKET NUMBER: 1550/45836
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-523-3400
; TELEFAX: 617-523-6440
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 343 amino acids
; TYPE: amino acid
; STRANDEDNESS: <Unknown>
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-10-184-426-2

```

```

Query Match          45.9%; Score 45; DB 15; Length 343;
Best Local Similarity 60.0%; Pred. No. 44;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

```

```

QY      6 GIDFIIFWIF 15
      |||: :||:|
Db      256 GIDWFLFWVF 265

```

RESULT 25

```

US-10-184-426-9
; Sequence 9, Application US/10184426
; Publication No. US20030118586A1
; GENERAL INFORMATION:
; APPLICANT: Hinuma, Shuji
;              Fujii, Ryo
;              Kawamata, Yuji
; TITLE OF INVENTION: G PROTEIN COUPLED RECEPTOR PROTEIN,
; PRODUCTION AND USE THEREOF
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: DIKE, BRONSTEIN, ROBERTS & CUSHMAN, LLP
; STREET: 130 Water Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109

```

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/184,426
FILING DATE: 28-Jun-2002
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/555,905
FILING DATE: 13-NOV-1995
APPLICATION NUMBER: JP 6-279545
FILING DATE: 14-NOV-1994
APPLICATION NUMBER: JP 7-215798
FILING DATE: 24-AUG-1995
APPLICATION NUMBER: JP 6-326611
FILING DATE: 28-DEC-1994
APPLICATION NUMBER: JP 7-007177
FILING DATE: 20-JAN-1995
APPLICATION NUMBER: JP 7-057186
FILING DATE: 16-MAR-1995
APPLICATION NUMBER: JP 7-224544
FILING DATE: 10-AUG-1995
ATTORNEY/AGENT INFORMATION:
NAME: Conlin, David G.
REGISTRATION NUMBER: 27,026
REFERENCE/DOCKET NUMBER: 1550/45836
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-523-3400
TELEFAX: 617-523-6440
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 343 amino acids
TYPE: amino acid
STRANDEDNESS: <Unknown>
TOPOLOGY: linear
MOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 9:
US-10-184-426-9

Query Match 45.9%; Score 45; DB 15; Length 343;
Best Local Similarity 60.0%; Pred. No. 44;
Matches 6; Conservative 3; Mismatches 1; Indels 1; Gaps 0;

QY 6 GIDFIFWIF 15
|||:|:|:
Db 256 GIDWELFWVF 265

RESULT 26
US-09-925-299-973
; Sequence 973, Application US/09925299
; Patent No. US20020055627A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA102
; CURRENT APPLICATION NUMBER: US/09/925,299
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05883
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 1556
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 973
; LENGTH: 248
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-925-299-973
Query Match 43.9%; Score 43; DB 9; Length 248;
Best Local Similarity 75.0%; Pred. No. 66;

Matches 6; Conservative 1; Mismatches 1; Indels 1; Gaps 0;
QY 9 FIFWIFW 16
|||:|:|:
Db 226 FIFWLFW 233

RESULT 27
US-09-925-299-973
; Sequence 973, Application US/09925299
; Publication No. US20030040617A9
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA102
; CURRENT APPLICATION NUMBER: US/09/925,299
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05883
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 1556
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 973
; LENGTH: 248
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-925-299-973

Query Match 43.9%; Score 43; DB 11; Length 248;
Best Local Similarity 75.0%; Pred. No. 66;
Matches 6; Conservative 1; Mismatches 1; Indels 1; Gaps 0;

QY 9 FIFWIFW 16
|||:|:|:
Db 226 FIFWLFW 233

RESULT 28
US-09-815-242-11503
; Sequence 11503, Application US/09815242
; Patent No. US20020061569A1
; GENERAL INFORMATION:
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari L.
; APPLICANT: Zyskind, Judith W.
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John D.
; APPLICANT: Carr, Grant J.
; APPLICANT: Yamamoto, Robert T.
; APPLICANT: Xu, H. Howard
; TITLE OF INVENTION: Identification of Essential Genes in
; TITLE OF INVENTION: Prokaryotes
; FILE REFERENCE: ELITRA.011A
; CURRENT APPLICATION NUMBER: US/09/815,242
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 14110
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 11503


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; SEQ ID NO 1073
; LENGTH: 77
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (26)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (36)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-764-869-1073

```

Query Match 41.8%; Score 41; DB 9; Length 77;
 Best Local Similarity 60.0%; Pred. No. 46;
 Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

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QY 5 CGIDFIIFWI 14
    | :| ||||
Db 56 CALEFRIFWI 65

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RESULT 37
US-10-091-504-1073
; Sequence 1073, Application US/10091504
; Publication No. US20030059908A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC007C1
; CURRENT APPLICATION NUMBER: US/10/091,504
; CURRENT FILING DATE: 2002-03-07
; NUMBER OF SEQ ID NOS: 2442
; Prior Application removed - See File Wrapper or Palm
; SOFTWARE: PatentIn ver. 2.0
; SEQ ID NO 1073
; LENGTH: 77
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (26)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: misc_feature
; LOCATION: (36)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-10-091-504-1073

```

Query Match 41.8%; Score 41; DB 15; Length 77;
 Best Local Similarity 60.0%; Pred. No. 46;
 Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

```

QY 5 CGIDFIIFWI 14
    | :| ||||
Db 56 CALEFRIFWI 65

```

```

RESULT 38
US-09-253-794-2
; Sequence 2, Application US/09253794
; Patent No. US20020018750A1
; GENERAL INFORMATION:
; APPLICANT: HANSEN, Hans J.
; ARMOUR, Kathryn L.
; TITLE OF INVENTION: CDR-GRAFTED TYPE III ANTI-CEA HUMANIZED
; MOUSE MONOCLONAL ANTIBODIES
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 3000 K Street, N.W., Suite 500
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA

```

```

; ZIP: 20007-5109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/253,794
; FILING DATE: 22-Feb-1999
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/318,157
; FILING DATE: 05-OCT-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: SAXE, Bernhard D.
; REGISTRATION NUMBER: 28,665
; REFERENCE/DOCKET NUMBER: 18733/464
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)672-5300
; TELEFAX: (202)672-5399
; TELEX: 904136
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 119 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-253-794-2

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Query Match 41.8%; Score 41; DB 9; Length 119;
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RESULT 39
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; Sequence 12, Application US/09253794
; Patent No. US20020018750A1
; GENERAL INFORMATION:
; APPLICANT: HANSEN, Hans J.
; ARMOUR, Kathryn L.
; TITLE OF INVENTION: CDR-GRAFTED TYPE III ANTI-CEA HUMANIZED
; MOUSE MONOCLONAL ANTIBODIES
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 3000 K Street, N.W., Suite 500
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20007-5109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/253,794
; FILING DATE: 22-Feb-1999
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/318,157
; FILING DATE: 05-OCT-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: SAXE, Bernhard D.
; REGISTRATION NUMBER: 28,665
; REFERENCE/DOCKET NUMBER: 18733/464
; TELECOMMUNICATION INFORMATION:

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TELEPHONE: (202)672-5300
TELEFAX: (202)672-5399
TELEX: 904136
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 119 amino acids
TYPE: amino acid
STRANDEDNESS: <Unknown>
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 12:
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Query Match 41.8%; Score 41; DB 9; Length 119;
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Matches 5; Conservative 4; Mismatches 5; Indels 0; Gaps 0;

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Db 23 SSSGFDFTTYWMSW 36

RESULT 40

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; Patent No. US20020018750A1
; GENERAL INFORMATION:
; APPLICANT: HANSEN, Hans J.
; ARMOUR, Kathryn L.
; TITLE OF INVENTION: CDR-GRAFTED TYPE III ANTI-CEA HUMANIZED
; MOUSE MONOCLONAL ANTIBODIES
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 3000 K Street, N.W., Suite 500
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20007-5109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/253,794
; FILING DATE: 22-Feb-1999
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/318,157
; FILING DATE: 05-OCT-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: SAXE, Bernhard D.
; REGISTRATION NUMBER: 28,665
; REFERENCE/DOCKET NUMBER: 18733/464
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)672-5300
; TELEFAX: (202)672-5399
; TELEX: 904136
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 119 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 17:
US-09-253-794-17

Query Match 41.8%; Score 41; DB 9; Length 119;
Best Local Similarity 35.7%; Pred. No. 67;
Matches 5; Conservative 4; Mismatches 5; Indels 0; Gaps 0;

QY 3 ANCGIDFIIFWIFW 16

Db 23 SSSGFDFTTYWMSW 36
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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: October 28, 2003, 17:09:35 ; Search time 5.80531 Seconds
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Title: US-09-854-133-587
Perfect score: 16
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Searched: 328717 seqs, 42310858 residues

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Minimum DB seq length: 0
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Post-processing: Listing first 1000 summaries

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

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157	4	25.0	35	4	US-09-834-784-464	Sequence 464, App	230	4	25.0	58	1	US-08-269-441A-11	Sequence 11, Appl
158	4	25.0	35	4	US-09-834-784-465	Sequence 465, App	231	4	25.0	59	3	US-08-919-597-250	Sequence 250, App
159	4	25.0	35	4	US-09-834-784-466	Sequence 466, App	232	4	25.0	59	4	US-08-470-896-250	Sequence 250, App
160	4	25.0	35	4	US-09-834-784-467	Sequence 467, App	233	4	25.0	67	4	US-09-345-236B-47	Sequence 47, Appl
161	4	25.0	35	4	US-09-834-784-468	Sequence 468, App	234	4	25.0	68	3	US-08-905-223-327	Sequence 327, App
162	4	25.0	37	1	US-08-486-013-16	Sequence 16, Appl	235	4	25.0	69	4	US-09-205-258-792	Sequence 792, App
163	4	25.0	37	2	US-08-482-279-16	Sequence 16, Appl	236	4	25.0	70	3	US-08-911-321-7	Sequence 7, Appli
164	4	25.0	37	2	US-08-342-268-16	Sequence 16, Appl	237	4	25.0	71	4	US-09-149-476-595	Sequence 595, App
165	4	25.0	37	3	US-08-919-597-251	Sequence 251, App	238	4	25.0	72	2	US-08-530-290-19	Sequence 19, Appl
166	4	25.0	37	3	US-08-919-597-252	Sequence 252, App	239	4	25.0	72	2	US-08-530-290-20	Sequence 20, Appl
167	4	25.0	37	3	US-08-919-597-253	Sequence 253, App	240	4	25.0	72	4	US-09-107-532A-6900	Sequence 6900, Ap
168	4	25.0	37	3	US-08-919-597-254	Sequence 254, App	241	4	25.0	79	2	US-08-530-290-14	Sequence 14, Appl
169	4	25.0	37	3	US-08-919-597-255	Sequence 255, App	242	4	25.0	79	2	US-08-530-290-15	Sequence 15, Appl
170	4	25.0	37	3	US-08-919-597-256	Sequence 256, App	243	4	25.0	79	4	US-09-134-001C-5601	Sequence 5601, Ap
171	4	25.0	37	3	US-08-919-597-257	Sequence 257, App	244	4	25.0	79	4	US-09-107-532A-4969	Sequence 4969, Ap
172	4	25.0	37	3	US-08-919-597-258	Sequence 258, App	245	4	25.0	81	4	US-09-134-001C-5629	Sequence 5629, Ap
173	4	25.0	37	3	US-08-919-597-259	Sequence 259, App	246	4	25.0	83	3	US-08-665-259-13	Sequence 13, Appl

247	4	25.0	83	3	US-08-762-500-13	Sequence 13, Appl	320	4	25.0	134	3	US-09-377-557-8	Sequence 8, Appl
248	4	25.0	84	4	US-09-599-360B-77	Sequence 77, Appl	321	4	25.0	137	4	US-09-452-239-34	Sequence 34, Appl
249	4	25.0	86	3	US-09-188-930-152	Sequence 152, App	322	4	25.0	140	4	US-09-328-352-4968	Sequence 4968, Ap
250	4	25.0	86	3	US-09-188-930-319	Sequence 319, App	323	4	25.0	141	4	US-09-328-352-6339	Sequence 6339, Ap
251	4	25.0	86	4	US-09-134-001C-5488	Sequence 5488, Ap	324	4	25.0	142	2	US-08-678-194-8	Sequence 8, Appl
252	4	25.0	86	4	US-09-312-283C-152	Sequence 152, App	325	4	25.0	142	3	US-08-890-011-8	Sequence 8, Appl
253	4	25.0	86	4	US-09-312-283C-319	Sequence 319, App	326	4	25.0	142	4	US-09-262-724-8	Sequence 8, Appl
254	4	25.0	86	4	US-08-311-731A-375	Sequence 375, App	327	4	25.0	142	4	US-09-107-532A-6242	Sequence 6242, Ap
255	4	25.0	87	4	US-09-247-155-100	Sequence 100, App	328	4	25.0	148	3	US-09-352-990-4	Sequence 4, Appl
256	4	25.0	87	4	US-09-371-671B-7	Sequence 7, Appl	329	4	25.0	148	4	US-09-134-001C-5375	Sequence 5375, Ap
257	4	25.0	87	4	US-09-107-532A-5484	Sequence 5484, Ap	330	4	25.0	148	4	US-09-328-352-6923	Sequence 6923, Ap
258	4	25.0	88	3	US-08-665-259-12	Sequence 12, Appl	331	4	25.0	148	4	US-09-732-210-1500	Sequence 1500, Ap
259	4	25.0	88	3	US-08-762-500-12	Sequence 12, Appl	332	4	25.0	149	4	US-09-732-210-677	Sequence 677, App
260	4	25.0	89	4	US-09-453-956-4	Sequence 4, Appl	333	4	25.0	152	1	US-07-906-871-14	Sequence 14, Appl
261	4	25.0	89	4	US-09-107-532A-6902	Sequence 6902, Ap	334	4	25.0	152	4	US-09-198-452A-710	Sequence 710, App
262	4	25.0	92	1	US-08-319-387-3	Sequence 3, Appl	335	4	25.0	152	4	US-09-107-532A-4597	Sequence 4597, Ap
263	4	25.0	92	3	US-09-193-104-2	Sequence 2, Appl	336	4	25.0	154	3	US-09-193-104-7	Sequence 7, Appl
264	4	25.0	92	3	US-09-193-104-3	Sequence 3, Appl	337	4	25.0	154	3	US-09-193-104-8	Sequence 8, Appl
265	4	25.0	92	3	US-09-193-104-4	Sequence 4, Appl	338	4	25.0	154	3	US-09-193-104-9	Sequence 9, Appl
266	4	25.0	92	3	US-09-193-104-5	Sequence 5, Appl	339	4	25.0	154	3	US-09-193-104-10	Sequence 10, Appl
267	4	25.0	92	3	US-09-193-104-6	Sequence 6, Appl	340	4	25.0	154	3	US-09-193-104-11	Sequence 11, Appl
268	4	25.0	95	1	US-08-202-389-21	Sequence 21, Appl	341	4	25.0	154	3	US-09-193-104-12	Sequence 12, Appl
269	4	25.0	95	1	US-08-202-389-22	Sequence 22, Appl	342	4	25.0	154	3	US-09-193-104-13	Sequence 13, Appl
270	4	25.0	95	1	US-08-202-389-23	Sequence 23, Appl	343	4	25.0	154	3	US-09-193-104-14	Sequence 14, Appl
271	4	25.0	96	1	US-08-486-013-21	Sequence 21, Appl	344	4	25.0	154	3	US-09-193-104-15	Sequence 15, Appl
272	4	25.0	96	2	US-08-482-279-21	Sequence 21, Appl	345	4	25.0	154	3	US-09-193-104-16	Sequence 16, Appl
273	4	25.0	96	2	US-08-342-268-21	Sequence 21, Appl	346	4	25.0	154	3	US-09-193-104-17	Sequence 17, Appl
274	4	25.0	96	3	US-09-015-968-21	Sequence 21, Appl	347	4	25.0	154	3	US-09-193-104-18	Sequence 18, Appl
275	4	25.0	96	4	US-09-397-386-21	Sequence 21, Appl	348	4	25.0	154	3	US-09-193-104-19	Sequence 19, Appl
276	4	25.0	99	4	US-09-328-352-5327	Sequence 5327, Ap	349	4	25.0	154	3	US-09-193-104-20	Sequence 20, Appl
277	4	25.0	102	2	US-08-592-406-24	Sequence 24, Appl	350	4	25.0	154	3	US-09-193-104-21	Sequence 21, Appl
278	4	25.0	103	4	US-09-107-532A-7072	Sequence 7072, Ap	351	4	25.0	154	3	US-09-193-104-22	Sequence 22, Appl
279	4	25.0	105	4	US-09-134-001C-4949	Sequence 4949, Ap	352	4	25.0	154	3	US-09-193-104-23	Sequence 23, Appl
280	4	25.0	105	4	US-09-732-210-1488	Sequence 1488, Ap	353	4	25.0	154	3	US-09-193-104-24	Sequence 24, Appl
281	4	25.0	106	1	US-07-803-623B-7	Sequence 7, Appl	354	4	25.0	154	3	US-09-193-104-25	Sequence 25, Appl
282	4	25.0	106	2	US-08-806-084-7	Sequence 7, Appl	355	4	25.0	154	3	US-09-193-104-26	Sequence 26, Appl
283	4	25.0	106	3	US-08-946-329A-105	Sequence 105, App	356	4	25.0	154	3	US-09-193-104-27	Sequence 27, Appl
284	4	25.0	106	4	US-09-201-970A-7	Sequence 7, Appl	357	4	25.0	154	4	US-09-134-001C-5287	Sequence 5287, Ap
285	4	25.0	106	4	US-09-134-001C-3880	Sequence 3880, Ap	358	4	25.0	154	4	US-09-723-830-2	Sequence 2, Appl
286	4	25.0	111	4	US-09-134-001C-4807	Sequence 4807, Ap	359	4	25.0	154	4	US-09-198-452A-467	Sequence 467, App
287	4	25.0	112	4	US-09-462-478A-6	Sequence 6, Appl	360	4	25.0	155	1	US-08-468-347-19	Sequence 19, Appl
288	4	25.0	112	4	US-09-328-352-5432	Sequence 5432, Ap	361	4	25.0	155	2	US-08-467-389-19	Sequence 19, Appl
289	4	25.0	112	4	US-09-328-352-6514	Sequence 6514, Ap	362	4	25.0	155	2	US-08-779-379-19	Sequence 19, Appl
290	4	25.0	113	4	US-09-198-452A-365	Sequence 365, App	363	4	25.0	155	2	US-08-469-219-19	Sequence 19, Appl
291	4	25.0	114	2	US-08-319-704-3	Sequence 3, Appl	364	4	25.0	155	3	US-09-053-197A-25	Sequence 25, Appl
292	4	25.0	114	4	US-09-134-001C-3089	Sequence 3089, Ap	365	4	25.0	155	4	US-09-228-152-18	Sequence 18, Appl
293	4	25.0	116	3	US-09-370-807-16	Sequence 16, Appl	366	4	25.0	155	4	US-09-085-761A-25	Sequence 25, Appl
294	4	25.0	116	4	US-09-921-259-16	Sequence 16, Appl	367	4	25.0	156	4	US-09-328-352-8194	Sequence 8194, Ap
295	4	25.0	116	4	US-09-732-210-1691	Sequence 1691, Ap	368	4	25.0	157	4	US-09-306-420C-20	Sequence 20, Appl
296	4	25.0	117	1	US-07-988-273-4	Sequence 4, Appl	369	4	25.0	157	4	US-09-107-532A-5501	Sequence 5501, Ap
297	4	25.0	117	5	PCT-US93-12019-4	Sequence 4, Appl	370	4	25.0	158	4	US-09-252-991A-32384	Sequence 32384, A
298	4	25.0	119	4	US-09-311-784A-10	Sequence 10, Appl	371	4	25.0	159	4	US-09-198-452A-462	Sequence 462, App
299	4	25.0	121	4	US-08-936-165A-303	Sequence 303, App	372	4	25.0	160	4	US-09-370-838-189	Sequence 189, App
300	4	25.0	124	4	US-09-425-638A-46	Sequence 46, Appl	373	4	25.0	161	4	US-09-328-352-6379	Sequence 6379, Ap
301	4	25.0	124	4	US-09-425-638A-47	Sequence 47, Appl	374	4	25.0	162	2	US-08-319-704-6	Sequence 6, Appl
302	4	25.0	124	4	US-09-425-638A-48	Sequence 48, Appl	375	4	25.0	162	4	US-09-252-991A-26869	Sequence 26869, A
303	4	25.0	124	4	US-09-425-638A-50	Sequence 50, Appl	376	4	25.0	164	3	US-09-009-913-11	Sequence 11, Appl
304	4	25.0	124	4	US-09-425-638A-52	Sequence 52, Appl	377	4	25.0	168	1	US-08-487-890A-106	Sequence 106, App
305	4	25.0	124	4	US-09-425-638A-53	Sequence 53, Appl	378	4	25.0	168	2	US-08-478-435-106	Sequence 106, App
306	4	25.0	124	4	US-09-543-004-46	Sequence 46, Appl	379	4	25.0	168	2	US-08-337-483-106	Sequence 106, App
307	4	25.0	124	4	US-09-543-004-47	Sequence 47, Appl	380	4	25.0	168	2	US-08-478-373-106	Sequence 106, App
308	4	25.0	124	4	US-09-543-004-48	Sequence 48, Appl	381	4	25.0	168	3	US-08-474-671-106	Sequence 106, App
309	4	25.0	124	4	US-09-543-004-50	Sequence 50, Appl	382	4	25.0	168	3	US-08-483-577A-106	Sequence 106, App
310	4	25.0	124	4	US-09-543-004-52	Sequence 52, Appl	383	4	25.0	168	3	US-08-897-438-106	Sequence 106, App
311	4	25.0	124	4	US-09-543-004-53	Sequence 53, Appl	384	4	25.0	168	4	US-08-637-654-106	Sequence 106, App
312	4	25.0	124	4	US-09-252-991A-21089	Sequence 21089, A	385	4	25.0	168	4	US-08-649-518-106	Sequence 106, App
313	4	25.0	124	4	US-09-328-352-5577	Sequence 5577, Ap	386	4	25.0	169	4	US-09-544-716-16	Sequence 16, Appl
314	4	25.0	127	4	US-09-134-001C-4041	Sequence 4041, Ap	387	4	25.0	169	4	US-09-557-921-17	Sequence 17, Appl
315	4	25.0	131	4	US-09-186-276B-37	Sequence 37, Appl	388	4	25.0	169	5	PCT-US96-07709-22	Sequence 22, Appl
316	4	25.0	131	4	US-08-842-445-37	Sequence 37, Appl	389	4	25.0	171	4	US-09-544-716-18	Sequence 18, Appl
317	4	25.0	131	4	US-09-186-188B-37	Sequence 37, Appl	390	4	25.0	171	4	US-09-252-991A-20711	Sequence 20711, A
318	4	25.0	133	4	US-09-107-532A-4535	Sequence 4535, Ap	391	4	25.0	171	4	US-09-557-921-19	Sequence 19, Appl
319	4	25.0	134	2	US-08-847-724-1	Sequence 1, Appl	392	4	25.0	172	2	US-08-853-659A-46	Sequence 46, Appl

393	4	25.0	172	4	US-09-134-001C-5649	Sequence 5649, Ap	466	4	25.0	203	3	US-08-801-740-8	Sequence 8, Appli
394	4	25.0	172	4	US-09-205-258-477	Sequence 477, App	467	4	25.0	203	4	US-09-328-352-6609	Sequence 6609, Ap
395	4	25.0	174	4	US-09-522-714-28	Sequence 28, Appl	468	4	25.0	204	4	US-09-134-001C-3833	Sequence 3833, Ap
396	4	25.0	177	2	US-08-867-030B-16	Sequence 16, Appl	469	4	25.0	205	2	US-08-531-525-25	Sequence 25, Appl
397	4	25.0	177	3	US-08-975-762-38	Sequence 38, Appl	470	4	25.0	205	2	US-08-729-152-8	Sequence 8, Appli
398	4	25.0	177	3	US-08-975-762-55	Sequence 55, Appl	471	4	25.0	205	2	US-08-718-270A-25	Sequence 25, Appl
399	4	25.0	177	3	US-08-821-324-38	Sequence 38, Appl	472	4	25.0	206	4	US-09-134-001C-3929	Sequence 3929, Ap
400	4	25.0	177	3	US-09-295-028-38	Sequence 38, Appl	473	4	25.0	207	2	US-08-531-525-22	Sequence 22, Appl
401	4	25.0	177	3	US-09-295-028-55	Sequence 55, Appl	474	4	25.0	207	2	US-08-531-525-35	Sequence 35, Appl
402	4	25.0	177	4	US-09-106-582-38	Sequence 38, Appl	475	4	25.0	207	2	US-08-824-873-4	Sequence 4, Appli
403	4	25.0	177	4	US-09-106-582-55	Sequence 55, Appl	476	4	25.0	207	2	US-08-718-270A-22	Sequence 22, Appl
404	4	25.0	177	4	US-08-469-260A-53	Sequence 53, Appl	477	4	25.0	207	2	US-08-718-270A-35	Sequence 35, Appl
405	4	25.0	177	4	US-08-488-446-53	Sequence 53, Appl	478	4	25.0	207	3	US-09-198-184-4	Sequence 4, Appli
406	4	25.0	177	4	US-08-467-344A-53	Sequence 53, Appl	479	4	25.0	207	4	US-09-252-991A-18843	Sequence 18843, A
407	4	25.0	177	5	PCT-US95-06119-16	Sequence 16, Appl	480	4	25.0	207	4	US-09-252-991A-23680	Sequence 23680, A
408	4	25.0	179	4	US-09-328-352-4604	Sequence 4604, Ap	481	4	25.0	208	4	US-09-252-991A-26796	Sequence 26796, A
409	4	25.0	181	4	US-09-107-532A-4183	Sequence 4183, Ap	482	4	25.0	210	4	US-09-107-532A-4250	Sequence 4250, Ap
410	4	25.0	181	4	US-09-107-532A-4491	Sequence 4491, Ap	483	4	25.0	213	1	US-07-930-678-2	Sequence 2, Appli
411	4	25.0	183	3	US-08-961-083-178	Sequence 178, App	484	4	25.0	214	4	US-09-134-001C-3375	Sequence 3375, Ap
412	4	25.0	183	4	US-09-536-784-178	Sequence 178, App	485	4	25.0	215	2	US-08-531-525-10	Sequence 10, Appl
413	4	25.0	185	4	US-09-328-352-5524	Sequence 5524, Ap	486	4	25.0	215	2	US-08-718-270A-10	Sequence 10, Appl
414	4	25.0	185	4	US-09-328-352-5973	Sequence 5973, Ap	487	4	25.0	215	4	US-09-134-001C-4682	Sequence 4682, Ap
415	4	25.0	185	4	US-09-328-352-8054	Sequence 8054, Ap	488	4	25.0	215	4	US-09-252-991A-21577	Sequence 21577, A
416	4	25.0	186	2	US-08-833-610-3	Sequence 3, Appli	489	4	25.0	215	4	US-09-252-991A-23297	Sequence 23297, A
417	4	25.0	186	3	US-08-834-033A-13	Sequence 13, Appl	490	4	25.0	215	4	US-09-107-532A-4978	Sequence 4978, Ap
418	4	25.0	186	4	US-09-134-001C-4095	Sequence 4095, Ap	491	4	25.0	217	4	US-09-328-352-7068	Sequence 7068, Ap
419	4	25.0	186	4	US-09-134-001C-4741	Sequence 4741, Ap	492	4	25.0	218	2	US-08-531-525-19	Sequence 19, Appl
420	4	25.0	186	4	US-09-328-352-4797	Sequence 4797, Ap	493	4	25.0	218	2	US-08-718-270A-19	Sequence 19, Appl
421	4	25.0	188	1	US-08-339-152A-20	Sequence 20, Appl	494	4	25.0	218	4	US-09-328-352-4385	Sequence 4385, Ap
422	4	25.0	188	2	US-08-007-999B-9	Sequence 9, Appli	495	4	25.0	219	3	US-08-871-572B-12	Sequence 12, Appl
423	4	25.0	188	2	US-08-689-276A-9	Sequence 9, Appli	496	4	25.0	220	4	US-09-107-532A-5764	Sequence 5764, Ap
424	4	25.0	190	2	US-08-824-873-3	Sequence 3, Appli	497	4	25.0	220	5	PCT-US96-07709-30	Sequence 30, Appl
425	4	25.0	190	3	US-09-198-184-3	Sequence 3, Appli	498	4	25.0	222	4	US-09-252-991A-18158	Sequence 18158, A
426	4	25.0	191	4	US-09-075-454-3	Sequence 3, Appli	499	4	25.0	222	4	US-09-252-991A-23841	Sequence 23841, A
427	4	25.0	193	4	US-09-252-991A-28415	Sequence 28415, A	500	4	25.0	223	2	US-08-896-410-4	Sequence 4, Appli
428	4	25.0	194	2	US-08-531-525-34	Sequence 34, Appl	501	4	25.0	224	2	US-08-616-857-2	Sequence 2, Appli
429	4	25.0	194	2	US-08-718-270A-34	Sequence 34, Appl	502	4	25.0	224	4	US-09-134-001C-4608	Sequence 4608, Ap
430	4	25.0	196	3	US-07-998-289B-4	Sequence 4, Appli	503	4	25.0	225	6	5436139-4	Patent No. 5436139
431	4	25.0	197	1	US-08-468-347-24	Sequence 24, Appl	504	4	25.0	226	1	US-08-378-011A-3	Sequence 3, Appli
432	4	25.0	197	2	US-08-467-389-24	Sequence 24, Appl	505	4	25.0	226	3	US-08-871-572B-10	Sequence 10, Appl
433	4	25.0	197	2	US-08-779-379-24	Sequence 24, Appl	506	4	25.0	226	4	US-09-471-573A-2	Sequence 2, Appli
434	4	25.0	197	2	US-08-469-219-24	Sequence 24, Appl	507	4	25.0	226	4	US-09-471-573A-40	Sequence 40, Appl
435	4	25.0	197	3	US-09-228-152-24	Sequence 24, Appl	508	4	25.0	226	5	PCT-US96-10602-14	Sequence 14, Appl
436	4	25.0	197	5	PCT-US96-07709-19	Sequence 19, Appl	509	4	25.0	226	6	5196194-21	Patent No. 5196194
437	4	25.0	198	1	US-08-278-091-16	Sequence 16, Appl	510	4	25.0	226	6	5198348-1	Patent No. 5198348
438	4	25.0	198	1	US-08-483-859-16	Sequence 16, Appl	511	4	25.0	226	6	5436139-5	Patent No. 5436139
439	4	25.0	198	1	US-08-472-173-16	Sequence 16, Appl	512	4	25.0	227	4	US-08-213-419B-13	Sequence 13, Appl
440	4	25.0	198	2	US-08-531-525-51	Sequence 51, Appl	513	4	25.0	228	1	US-08-447-591-2	Sequence 2, Appli
441	4	25.0	198	2	US-08-487-167-16	Sequence 16, Appl	514	4	25.0	228	1	US-08-447-591-3	Sequence 3, Appli
442	4	25.0	198	2	US-08-718-270A-51	Sequence 51, Appl	515	4	25.0	228	1	US-08-447-591-4	Sequence 4, Appli
443	4	25.0	198	2	US-08-482-816-16	Sequence 16, Appl	516	4	25.0	228	1	US-08-450-943-2	Sequence 2, Appli
444	4	25.0	198	2	US-08-296-149-16	Sequence 16, Appl	517	4	25.0	228	1	US-08-450-943-3	Sequence 3, Appli
445	4	25.0	198	2	US-08-801-499-16	Sequence 16, Appl	518	4	25.0	228	1	US-08-450-943-4	Sequence 4, Appli
446	4	25.0	198	2	US-08-615-271-16	Sequence 16, Appl	519	4	25.0	228	1	US-08-059-031-2	Sequence 2, Appli
447	4	25.0	198	2	US-09-074-660-16	Sequence 16, Appl	520	4	25.0	228	1	US-08-059-031-3	Sequence 3, Appli
448	4	25.0	198	3	US-09-074-659-16	Sequence 16, Appl	521	4	25.0	228	1	US-08-059-031-4	Sequence 4, Appli
449	4	25.0	198	3	US-09-106-468-16	Sequence 16, Appl	522	4	25.0	228	2	US-08-450-942-3	Sequence 3, Appli
450	4	25.0	198	3	US-09-106-466A-16	Sequence 16, Appl	523	4	25.0	228	2	US-08-450-942-4	Sequence 4, Appli
451	4	25.0	198	3	US-09-106-467-16	Sequence 16, Appl	524	4	25.0	228	2	US-08-450-942-4	Sequence 4, Appli
452	4	25.0	199	4	US-09-528-760A-2	Sequence 2, Appli	525	4	25.0	228	4	US-09-134-001C-4694	Sequence 4694, Ap
453	4	25.0	199	4	US-09-951-843-2	Sequence 2, Appli	526	4	25.0	228	4	US-09-134-001C-5495	Sequence 5495, Ap
454	4	25.0	199	4	US-09-198-452A-585	Sequence 585, App	527	4	25.0	228	4	US-09-328-352-5001	Sequence 5001, Ap
455	4	25.0	200	4	US-09-328-352-4773	Sequence 4773, Ap	528	4	25.0	228	5	PCT-US94-05090-2	Sequence 2, Appli
456	4	25.0	200	5	PCT-US94-14277-4	Sequence 4, Appli	529	4	25.0	228	5	PCT-US94-05090-3	Sequence 3, Appli
457	4	25.0	201	4	US-09-322-478-10	Sequence 10, Appl	530	4	25.0	228	5	PCT-US94-05090-4	Sequence 4, Appli
458	4	25.0	201	4	US-09-107-532A-5755	Sequence 5755, Ap	531	4	25.0	230	4	US-09-452-239-32	Sequence 32, Appl
459	4	25.0	202	1	US-07-803-623B-8	Sequence 8, Appli	532	4	25.0	231	4	US-09-495-406-35	Sequence 35, Appl
460	4	25.0	202	2	US-08-806-084-8	Sequence 8, Appli	533	4	25.0	233	4	US-09-886-319A-11	Sequence 11, Appl
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462	4	25.0	202	4	US-09-134-001C-3396	Sequence 3396, Ap	535	4	25.0	234	4	US-09-634-238-220	Sequence 220, App
463	4	25.0	203	2	US-08-531-525-21	Sequence 21, Appl	536	4	25.0	234	4	US-09-107-532A-6746	Sequence 6746, Ap
464	4	25.0	203	2	US-08-801-740-8	Sequence 8, Appli	537	4	25.0	235	4	US-09-345-236B-13	Sequence 13, Appl
465	4	25.0	203	2	US-08-718-270A-21	Sequence 21, Appl	538	4	25.0	235	4	US-09-107-532A-3775	Sequence 3775, Ap

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542	4	25.0	237	4	US-09-611-175-3	Sequence 3, Appli	615	4	25.0	239	4	US-09-316-919-10	Sequence 10, Appli
543	4	25.0	237	4	US-09-328-352-8181	Sequence 8181, Ap	616	4	25.0	239	4	US-09-316-919-11	Sequence 11, Appli
544	4	25.0	238	1	US-08-337-915A-2	Sequence 2, Appli	617	4	25.0	240	4	US-09-129-192C-49	Sequence 49, Appli
545	4	25.0	238	1	US-08-452-295-1	Sequence 1, Appli	618	4	25.0	241	4	US-09-107-532A-4941	Sequence 4941, Ap
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552	4	25.0	238	2	US-08-818-604-32	Sequence 32, Appli	625	4	25.0	243	4	US-09-479-645A-46	Sequence 46, Appli
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554	4	25.0	238	2	US-08-792-553-2	Sequence 2, Appli	627	4	25.0	243	4	US-09-479-645A-50	Sequence 50, Appli
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556	4	25.0	238	3	US-08-893-327-16	Sequence 16, Appli	629	4	25.0	243	4	US-09-479-645A-54	Sequence 54, Appli
557	4	25.0	238	3	US-08-911-825-2	Sequence 2, Appli	630	4	25.0	243	4	US-09-479-645A-56	Sequence 56, Appli
558	4	25.0	238	3	US-08-753-144-2	Sequence 2, Appli	631	4	25.0	243	4	US-09-479-645A-58	Sequence 58, Appli
559	4	25.0	238	3	US-08-974-737-2	Sequence 2, Appli	632	4	25.0	243	4	US-09-479-645A-60	Sequence 60, Appli
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576	4	25.0	238	4	US-09-418-785-1	Sequence 1, Appli	649	4	25.0	243	4	US-09-479-645A-94	Sequence 94, Appli
577	4	25.0	238	4	US-09-452-239-28	Sequence 28, Appli	650	4	25.0	243	4	US-09-479-645A-96	Sequence 96, Appli
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579	4	25.0	238	4	US-09-316-919-8	Sequence 8, Appli	652	4	25.0	243	4	US-09-479-645A-100	Sequence 100, App
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587	4	25.0	238	4	US-09-346-946-32	Sequence 32, Appli	660	4	25.0	243	4	US-09-479-645A-116	Sequence 116, App
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591	4	25.0	239	3	US-08-974-737-4	Sequence 4, Appli	664	4	25.0	243	4	US-09-479-645A-124	Sequence 124, App
592	4	25.0	239	3	US-08-706-408-4	Sequence 4, Appli	665	4	25.0	243	4	US-09-479-645A-126	Sequence 126, App
593	4	25.0	239	3	US-09-094-359-4	Sequence 4, Appli	666	4	25.0	243	4	US-09-479-645A-128	Sequence 128, App
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610	4	25.0	239	4	US-09-513-783A-52	Sequence 52, Appli	683	4	25.0	245	2	US-09-144-925-26	Sequence 26, Appli
611	4	25.0	239	4	US-09-316-919-4	Sequence 4, Appli	684	4	25.0	245	4	US-09-205-258-369	Sequence 369, App

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692	4	25.0	247	4	US-09-548-938A-12	Sequence 12, Appl
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694	4	25.0	248	5	PCT-US96-07709-25	Sequence 25, Appl
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696	4	25.0	249	4	US-09-311-784A-16	Sequence 16, Appl
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701	4	25.0	253	4	US-08-858-207A-299	Sequence 299, App
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707	4	25.0	255	3	US-09-172-063-20	Sequence 20, Appl
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710	4	25.0	257	4	US-09-328-352-7500	Sequence 7500, Ap
711	4	25.0	258	1	US-07-959-369-10	Sequence 10, Appl
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714	4	25.0	261	4	US-09-542-615A-346	Sequence 346, App
715	4	25.0	261	4	US-09-606-421B-346	Sequence 346, App
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723	4	25.0	265	3	US-09-172-063-26	Sequence 26, Appl
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725	4	25.0	265	4	US-09-252-991A-24304	Sequence 24304, A
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741	4	25.0	274	3	US-09-299-268-19	Sequence 19, Appl
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743	4	25.0	274	4	US-08-809-156B-25	Sequence 25, Appl
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745	4	25.0	275	2	US-08-466-961A-17	Sequence 17, Appl
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749	4	25.0	277	4	US-08-635-886C-278	Sequence 278, App
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760	4	25.0	280	4	US-09-314-701-48	Sequence 48, Appl
761	4	25.0	281	1	US-07-959-369-4	Sequence 4, Appli
762	4	25.0	281	1	US-08-105-483-214	Sequence 214, App
763	4	25.0	281	1	US-08-709-209-214	Sequence 214, App
764	4	25.0	281	1	US-08-458-101-214	Sequence 214, App
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767	4	25.0	281	4	US-09-364-946-1	Sequence 1, Appli
768	4	25.0	281	4	US-09-134-001C-4763	Sequence 4763, Ap
769	4	25.0	281	4	US-09-247-890-10	Sequence 10, Appl
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773	4	25.0	281	4	US-09-724-969-12	Sequence 12, Appl
774	4	25.0	281	4	US-09-724-852-10	Sequence 10, Appl
775	4	25.0	281	4	US-09-724-852-12	Sequence 12, Appl
776	4	25.0	282	4	US-09-513-783A-14	Sequence 14, Appl
777	4	25.0	282	4	US-09-051-380-3	Sequence 3, Appli
778	4	25.0	283	1	US-07-959-369-13	Sequence 13, Appl
779	4	25.0	283	1	US-08-118-270-78	Sequence 78, Appl
780	4	25.0	283	2	US-08-836-854-7	Sequence 7, Appli
781	4	25.0	283	4	US-09-134-001C-5491	Sequence 5491, Ap
782	4	25.0	283	4	US-09-585-858-52	Sequence 52, Appl
783	4	25.0	283	5	PCT-US93-08528-78	Sequence 78, Appl
784	4	25.0	284	4	US-09-372-448A-4	Sequence 4, Appli
785	4	25.0	284	4	US-09-141-951-1	Sequence 1, Appli
786	4	25.0	284	4	US-09-328-352-4684	Sequence 4684, Ap
787	4	25.0	286	4	US-09-205-258-404	Sequence 404, App
788	4	25.0	286	4	US-09-205-258-1063	Sequence 1063, Ap
789	4	25.0	286	4	US-09-107-532A-4821	Sequence 4821, Ap
790	4	25.0	287	4	US-09-513-783A-8	Sequence 8, Appli
791	4	25.0	288	4	US-09-372-422A-12	Sequence 12, Appl
792	4	25.0	288	4	US-09-372-422A-16	Sequence 16, Appl
793	4	25.0	288	4	US-09-372-422A-18	Sequence 18, Appl
794	4	25.0	288	4	US-09-372-448A-2	Sequence 2, Appli
795	4	25.0	288	4	US-09-252-991A-18098	Sequence 18098, A
796	4	25.0	289	3	US-08-846-826A-4	Sequence 4, Appli
797	4	25.0	289	4	US-09-372-422A-2	Sequence 2, Appli
798	4	25.0	289	4	US-09-372-422A-14	Sequence 14, Appl
799	4	25.0	290	4	US-09-198-452A-269	Sequence 269, App
800	4	25.0	291	4	US-09-513-783A-10	Sequence 10, Appl
801	4	25.0	291	4	US-09-643-597-159	Sequence 159, App
802	4	25.0	291	4	US-09-480-884A-159	Sequence 159, App
803	4	25.0	291	4	US-09-495-406-3	Sequence 3, Appli
804	4	25.0	291	4	US-09-495-406-5	Sequence 5, Appli
805	4	25.0	291	4	US-09-495-406-7	Sequence 7, Appli
806	4	25.0	291	4	US-09-495-406-9	Sequence 9, Appli
807	4	25.0	291	4	US-09-542-615A-159	Sequence 159, App
808	4	25.0	291	4	US-09-606-421B-159	Sequence 159, App
809	4	25.0	292	4	US-09-372-422A-4	Sequence 4, Appli
810	4	25.0	292	4	US-09-372-422A-10	Sequence 10, Appl
811	4	25.0	292	4	US-09-134-001C-4142	Sequence 4142, Ap
812	4	25.0	292	4	US-09-513-783A-16	Sequence 16, Appl
813	4	25.0	292	4	US-09-501-115-28	Sequence 28, Appl
814	4	25.0	292	4	US-09-312-283C-384	Sequence 384, App
815	4	25.0	294	4	US-09-513-783A-2	Sequence 2, Appli
816	4	25.0	294	1	US-08-411-706-4	Sequence 10, Appl
817	4	25.0	295	4	US-09-308-003-11	Sequence 11, Appl
818	4	25.0	295	4	US-09-513-783A-20	Sequence 20, Appl
819	4	25.0	295	4	US-09-328-352-6656	Sequence 6656, Ap
820	4	25.0	295	4	US-09-372-422A-20	Sequence 20, Appl
821	4	25.0	296	4	US-09-513-783A-12	Sequence 12, Appl
822	4	25.0	296	4	US-09-328-352-7482	Sequence 7482, Ap
823	4	25.0	296	4	US-09-134-001C-3397	Sequence 3397, Ap
824	4	25.0	297	4	US-09-328-352-8148	Sequence 8148, Ap
825	4	25.0	297	4	US-09-134-001C-3631	Sequence 3631, Ap
826	4	25.0	298	4	US-09-134-001C-4569	Sequence 4569, Ap
827	4	25.0	298	4	US-08-118-270-77	Sequence 77, Appl
828	4	25.0	299	1	US-09-643-597-354	Sequence 354, App
829	4	25.0	299	4	US-09-606-421B-354	Sequence 354, App
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977 4 25.0 367 2 US-08-990-379-6 Sequence 6, Appli
978 4 25.0 367 3 US-08-888-429A-13 Sequence 13, Appl
979 4 25.0 368 2 US-08-836-854-17 Sequence 17, Appl
980 4 25.0 368 4 US-09-252-991A-26170 Sequence 26170, A
981 4 25.0 370 2 US-08-729-214-27 Sequence 27, Appl
982 4 25.0 370 3 US-09-028-934-27 Sequence 27, Appl
983 4 25.0 370 4 US-09-252-991A-29473 Sequence 29473, A
984 4 25.0 371 2 US-08-928-692-20 Sequence 20, Appl
985 4 25.0 371 3 US/08/622 INFORMATION FOR
986 4 25.0 371 4 US-09-339-972-20 Sequence 20, Appl
987 4 25.0 371 4 US-09-165-922A-10 Sequence 10, Appl
988 4 25.0 372 1 US-08-597-236-8 Sequence 8, Appli
989 4 25.0 372 1 US-08-746-682A-8 Sequence 8, Appli
990 4 25.0 372 4 US-09-252-991A-18220 Sequence 18220, A
991 4 25.0 373 2 US-08-846-762-13 Sequence 13, Appl
992 4 25.0 373 3 US-09-028-934-32 Sequence 32, Appl
993 4 25.0 373 4 US-09-328-352-5753 Sequence 5753, Ap
994 4 25.0 374 2 US-08-928-692-51 Sequence 51, Appl
995 4 25.0 374 4 US-09-339-972-51 Sequence 51, Appl
996 4 25.0 375 4 US-09-134-001C-5489 Sequence 5489, Ap
997 4 25.0 375 4 US-09-252-991A-30808 Sequence 30808, A
998 4 25.0 375 4 US-09-348-930A-6 Sequence 6, Appli
999 4 25.0 377 3 US-09-352-990-28 Sequence 28, Appl
1000 4 25.0 377 4 US-09-328-352-7143 Sequence 7143, Ap

ALIGNMENTS

RESULT 1
US-09-328-352-8079
; Sequence 8079, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
; TITLE OF INVENTION: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GTC99-03PA
; CURRENT APPLICATION NUMBER: US/09/328,352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 8079
; LENGTH: 306
; TYPE: PRT
; ORGANISM: Acinetobacter baumannii
US-09-328-352-8079

Query Match 37.5%; Score 6; DB 4; Length 306;
Best Local Similarity 100.0%; Pred. No. 8;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 GIDFII 11
Db 195 GIDFII 200

RESULT 2
US-08-414-926A-5
; Sequence 5, Application US/08414926A
; Patent No. 5721354
; GENERAL INFORMATION:
; APPLICANT: Spaete, Richard
; APPLICANT: Cha, Tai-An
; TITLE OF INVENTION: NOVEL HUMAN CYTOMEGALOVIRUS
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooley Godward Castro Huddleson & Tatum
; STREET: 5 Palo Alto Square
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94306-2155
; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/414,926A
; FILING DATE: March 31, 1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Cserr, Luann
; REGISTRATION NUMBER: 31,822
; REFERENCE/DOCKET NUMBER: AVIR-011/OOUS
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-494-7622
; TELEFAX: 415-857-0663
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 399 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-414-926A-5
Query Match 37.5%; Score 6; DB 1; Length 399;
Best Local Similarity 100.0%; Pred. No. 10;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 FIFWI 14
Db 20 FIFWI 25

RESULT 3
US-08-926-922-5
; Sequence 5, Application US/08926922
; Patent No. 5925751
; GENERAL INFORMATION:
; APPLICANT: Spaete, Richard
; APPLICANT: Cha, Tai-An
; TITLE OF INVENTION: NOVEL HUMAN CYTOMEGALOVIRUS
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Luann Cserr Attorney at Law
; STREET: 750 Arimo Avenue
; CITY: Oakland
; STATE: CA
; COUNTRY: USA
; ZIP: 94610
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/926,922
; FILING DATE: September 10, 1997
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Cserr, Luann
; REGISTRATION NUMBER: 31,822
; REFERENCE/DOCKET NUMBER: AVIR 11A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 510-834-1448
; TELEFAX: 510-839-7810
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 399 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-926-922-5
Query Match 37.5%; Score 6; DB 2; Length 399;

Best Local Similarity 100.0%; Pred. No. 10;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 FIIFWI 14
|||
Db 20 FIIFWI 25

RESULT 4

US-09-253-682-5
; Sequence 5, Application US/09253682
; Patent No. 6040170
; GENERAL INFORMATION:
; APPLICANT: Spaete, Richard
; APPLICANT: Cha, Tai-An
; TITLE OF INVENTION: NOVEL HUMAN CYTOMEGALOVIRUS
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Luann Cserr Attorney at Law
; STREET: 750 Arimo Avenue
; CITY: Oakland
; STATE: CA
; COUNTRY: USA
; ZIP: 94610
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/253,682
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/926,922
; FILING DATE: September 10, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Cserr, Luann
; REGISTRATION NUMBER: 31,822
; REFERENCE/DOCKET NUMBER: AVIR 11A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 510-834-1448
; TELEFAX: 510-839-7810
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 399 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-09-253-682-5

Query Match 37.5%; Score 6; DB 3; Length 399;
Best Local Similarity 100.0%; Pred. No. 10;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 FIIFWI 14
|||
Db 20 FIIFWI 25

RESULT 5

US-09-527-657-5
; Sequence 5, Application US/09527657
; Patent No. 6291236
; GENERAL INFORMATION:
; APPLICANT: Spaete, Richard
; Cha, Tai-An
; TITLE OF INVENTION: NOVEL HUMAN CYTOMEGALOVIRUS
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Luann Cserr Attorney at Law
; STREET: 750 Arimo Avenue
; CITY: Oakland

STATE: CA
COUNTRY: USA
ZIP: 94610
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/527,657
; FILING DATE: 17-Mar-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/926,922
; FILING DATE: September 10, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Cserr, Luann
; REGISTRATION NUMBER: 31,822
; REFERENCE/DOCKET NUMBER: AVIR 11A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 510-834-1448
; TELEFAX: 510-839-7810
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 399 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-09-527-657-5

Query Match 37.5%; Score 6; DB 3; Length 399;
Best Local Similarity 100.0%; Pred. No. 10;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 FIIFWI 14
|||
Db 20 FIIFWI 25

RESULT 6

US-09-107-532A-4171
; Sequence 4171, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 7310
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660
; COMPUTER: PC
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,532A
; FILING DATE: 30-Jun-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/085,598
; FILING DATE: 14 May 1998
; APPLICATION NUMBER: 60/051571
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Deneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-012

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; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 4171:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 472 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ORIGINAL SOURCE:
; ORGANISM: Enterococcus faecium
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (B) LOCATION 1...472
; SEQUENCE DESCRIPTION: SEQ ID NO: 4171:
US-09-107-532A-4171
Query Match 37.5%; Score 6; DB 4; Length 472;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 GIDFII 11
Db 56 GIDFII 61

RESULT 7
US-08-410-804-5
; Sequence 5, Application US/08410804
; Patent No. 5632994
; GENERAL INFORMATION:
; APPLICANT: Reed, John C.
; APPLICANT: Sato, Takaaki
; TITLE OF INVENTION: FAS ASSOCIATED PROTEINS
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cathryn Campbell
; STREET: 4370 La Jolla Village Drive. Ste 700
; CITY: San Diego
; STATE: California
; COUNTRY: United States
; ZIP: 92122
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/410,804
; FILING DATE: 27-MAR-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/259,514
; FILING DATE: 14-JUN-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Campbell, Cathryn
; REGISTRATION NUMBER: 31,815
; REFERENCE/DOCKET NUMBER: P-LJ 1389
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 535-9001
; TELEFAX: (619) 535-8949
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 69 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-410-804-5
Query Match 31.2%; Score 5; DB 1; Length 69;
Best Local Similarity 100.0%; Pred. No. 31;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 4171:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 472 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-410-804-5
Query Match 31.2%; Score 5; DB 1; Length 69;
Best Local Similarity 100.0%; Pred. No. 31;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 7 IDFII 11
Db 58 IDFII 62

RESULT 8
US-08-259-514-5
; Sequence 5, Application US/08259514
; Patent No. 5747245
; GENERAL INFORMATION:
; APPLICANT: Reed, John C.
; APPLICANT: Sato, Takaaki
; TITLE OF INVENTION: FAS ASSOCIATED PROTEINS
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cathryn Campbell
; STREET: 4370 La Jolla Village Drive. Ste 700
; CITY: San Diego
; STATE: California
; COUNTRY: United States
; ZIP: 92122
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/259,514
; FILING DATE: 14-JUN-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Campbell, Cathryn
; REGISTRATION NUMBER: 31,815
; REFERENCE/DOCKET NUMBER: P-LJ 9954
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 535-9001
; TELEFAX: (619) 535-8949
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 69 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-259-514-5
Query Match 31.2%; Score 5; DB 1; Length 69;
Best Local Similarity 100.0%; Pred. No. 31;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 7 IDFII 11
Db 58 IDFII 62

RESULT 9
US-08-858-311-5
; Sequence 5, Application US/08858311
; Patent No. 5876939
; GENERAL INFORMATION:
; APPLICANT: Reed, John C.
; APPLICANT: Sato, Takaaki
; TITLE OF INVENTION: FAS ASSOCIATED PROTEINS
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cathryn Campbell
; STREET: 4370 La Jolla Village Drive. Ste 700
; CITY: San Diego
; STATE: California
; COUNTRY: United States
; ZIP: 92122
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/858,311
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/410,804
FILING DATE: 27-MAR-1995
APPLICATION NUMBER: US 08/259,514
FILING DATE: 14-JUN-1994
ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-LJ 1389
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9001
TELEFAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 69 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-858-311-5

Query Match 31.2%; Score 5; DB 2; Length 69;
Best Local Similarity 100.0%; Pred. No. 31;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 IDFI 11
| | | | |
Db 58 IDFI 62

RESULT 10
US-09-134-001C-5666
; Sequence 5666, Application US/09134001C
; Patent No. 6380370
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
; TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GTC-007
; CURRENT APPLICATION NUMBER: US/09/134,001C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/064,964
; PRIOR FILING DATE: 1997-11-08
; PRIOR APPLICATION NUMBER: US 60/055,779
; PRIOR FILING DATE: 1997-08-14
; NUMBER OF SEQ ID NOS: 5674
; SEQ ID NO 5666
; LENGTH: 74
; TYPE: PRT
; ORGANISM: Staphylococcus epidermidis
US-09-134-001C-5666

Query Match 31.2%; Score 5; DB 4; Length 74;
Best Local Similarity 100.0%; Pred. No. 33;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 FIIFW 13
| | | | |
Db 40 FIIFW 44

RESULT 11
US-08-529-878B-41
; Sequence 41, Application US/08529878B
; Patent No. 5932556
; GENERAL INFORMATION:
; APPLICANT: Tam, Robert C.

TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR
TITLE OF INVENTION: REGULATION OF CD28 EXPRESSION
NUMBER OF SEQUENCES: 48
CORRESPONDENCE ADDRESS:
ADDRESSEE: Crockett & Fish
STREET: 3000 S. Augusta Court
CITY: La Habra
STATE: California
COUNTRY: United States of America
ZIP: 90631
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WordPerfect 6.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/529,878B
FILING DATE: 13-SEP-1995
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Fish, Robert D.
REGISTRATION NUMBER: 33,880
REFERENCE/DOCKET NUMBER: 213/003
TELECOMMUNICATION INFORMATION:
TELEPHONE: 714-525-3433
TELEFAX: 714-525-3303
TELEX:
INFORMATION FOR SEQ ID NO: 41:
SEQUENCE CHARACTERISTICS:
LENGTH: 103 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-529-878B-41

Query Match 31.2%; Score 5; DB 2; Length 103;
Best Local Similarity 100.0%; Pred. No. 44;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 FIIFW 13
| | | | |
Db 57 FIIFW 61

RESULT 12
US-09-627-376-17
; Sequence 17, Application US/09627376
; Patent No. 6342385
; GENERAL INFORMATION:
; APPLICANT: Qi, Fengxia
; TITLE OF INVENTION: MUTACIN I BIOSYNTHESIS GENES AND PROTEINS
; FILE REFERENCE: UAB-17402/22
; CURRENT APPLICATION NUMBER: US/09/627,376
; CURRENT FILING DATE: 2001-05-30
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 17
; LENGTH: 118
; TYPE: PRT
; ORGANISM: Streptococcus mutans.
US-09-627-376-17

Query Match 31.2%; Score 5; DB 4; Length 118;
Best Local Similarity 100.0%; Pred. No. 49;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 11 IFWIF 15
| | | | |
Db 14 IFWIF 18

RESULT 13
US-09-134-001C-5232

```
; Sequence 5232, Application US/09134001C
; Patent No. 6380370
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
; TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GTC-007
; CURRENT APPLICATION NUMBER: US/09/134,001C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/064,964
; PRIOR FILING DATE: 1997-11-08
; PRIOR APPLICATION NUMBER: US 60/055,779
; PRIOR FILING DATE: 1997-08-14
; NUMBER OF SEQ ID NOS: 5674
; SEQ ID NO 5232
; LENGTH: 134
; TYPE: PRT
; ORGANISM: Staphylococcus epidermidis
US-09-134-001C-5232

Query Match          31.2%; Score 5; DB 4; Length 134;
Best Local Similarity 100.0%; Pred. No. 55;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      7 IDFII 11
      |||||
Db      89 IDFII 93

RESULT 14
US-09-107-532A-5214
; Sequence 5214, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 7310
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660
; COMPUTER: PC
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,532A
; FILING DATE: 30-Jun-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/085,598
; FILING DATE: 14 May 1998
; APPLICATION NUMBER: 60/051571
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Deneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-012
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 5214:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 205 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ORIGINAL SOURCE:

; Sequence 5232, Application US/09134001C
; Patent No. 6380370
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
; TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GTC-007
; CURRENT APPLICATION NUMBER: US/09/134,001C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/064,964
; PRIOR FILING DATE: 1997-11-08
; PRIOR APPLICATION NUMBER: US 60/055,779
; PRIOR FILING DATE: 1997-08-14
; NUMBER OF SEQ ID NOS: 5674
; SEQ ID NO 5232
; LENGTH: 134
; TYPE: PRT
; ORGANISM: Staphylococcus epidermidis
US-09-134-001C-5232

Query Match          31.2%; Score 5; DB 4; Length 134;
Best Local Similarity 100.0%; Pred. No. 55;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      7 IDFII 11
      |||||
Db      89 IDFII 93

RESULT 15
US-09-340-620A-65
; Sequence 65, Application US/09340620A
; Patent No. 6482933
; GENERAL INFORMATION:
; APPLICANT: Bertin, John
; TITLE OF INVENTION: NOVEL MOLECULES OF THE CARD-RELATED PROTEIN FAMILY AND USES THE
; FILE REFERENCE: 07334-124001
; CURRENT APPLICATION NUMBER: US/09/340,620A
; CURRENT FILING DATE: 1999-06-28
; PRIOR APPLICATION NUMBER: US 09/245,281
; PRIOR FILING DATE: 1999-02-05
; PRIOR APPLICATION NUMBER: US 09/207,359
; PRIOR FILING DATE: 1998-12-08
; PRIOR APPLICATION NUMBER: US 09/099,041
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: US 09/019,942
; PRIOR FILING DATE: 1998-02-06
; NUMBER OF SEQ ID NOS: 71
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 65
; LENGTH: 208
; TYPE: PRT
; ORGANISM: Rattus rattus
US-09-340-620A-65

Query Match          31.2%; Score 5; DB 4; Length 208;
Best Local Similarity 100.0%; Pred. No. 79;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 FOANC 5
      |||||
Db      64 FOANC 68

RESULT 16
US-08-228-208A-21
; Sequence 21, Application US/08228208A
; Patent No. 6090914
; GENERAL INFORMATION:
; APPLICANT: Linsley, Peter S.
; APPLICANT: Ledbetter, Jeffrey A.
; APPLICANT: Damle, Nitin K.
; APPLICANT: Brady, William
; APPLICANT: Wallace, Philip M.
; TITLE OF INVENTION: CTLA4/CD28ig HYBRID FUSION
; TITLE OF INVENTION: PROTEINS AND USES THEREOF
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merchant & Gould
; STREET: 11150 Santa Monica Boulevard, Suite 400
; CITY: Los Angeles
; STATE: CA
; COUNTRY: USA
; ZIP: 90025
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
```



```

; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/228,208A
; FILING DATE: 15-APR-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/008,898
; FILING DATE: 22-JAN-1993
; APPLICATION NUMBER: 07/723,617
; FILING DATE: 27-JUN-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Adriano, Sarah B
; REGISTRATION NUMBER: 34,470
; REFERENCE/DOCKET NUMBER: 30436-30US01
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 310 445-1140
; TELEFAX: 310 445-9031
; TELEX:
; INFORMATION FOR SEQ ID NO: 21:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 220 amino acids
; TYPE: amino acid
; STRANDEDNESS: unknown
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-228-208A-21

```

```

Query Match          31.2%; Score 5; DB 3; Length 220;
Best Local Similarity 100.0%; Pred. No. 83;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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```

QY          9 FIFW 13
          |||||
Db          174 FIFW 178

```

```

RESULT 17
US-08-505-058-5
; Sequence 5, Application US/0850505058
; Patent No. 5773253
; GENERAL INFORMATION:
; APPLICANT: Linsley, Peter S.
; APPLICANT: Ledbetter, Jeffrey A.
; APPLICANT: Peach, Robert
; TITLE OF INVENTION: CTLA4 Mutant Molecules and Uses Thereof
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merchant & Gould
; STREET: 11150 Santa Monica Blvd., Suite 400
; CITY: Los Angeles
; STATE: California
; COUNTRY: USA
; ZIP: 90025
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/505,058
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/228,208
; FILING DATE: 15-APR-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Adriano, Sarah B.
; REGISTRATION NUMBER: 34,470
; REFERENCE/DOCKET NUMBER: 30436.30US11
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 310-445-1140

```

```

; TELEFAX: 310-445-9031
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 223 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-505-058-5

```

```

Query Match          31.2%; Score 5; DB 1; Length 223;
Best Local Similarity 100.0%; Pred. No. 84;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY          9 FIFW 13
          |||||
Db          176 FIFW 180

```

```

RESULT 18
US-08-459-818-25
; Sequence 25, Application US/08459818
; Patent No. 5851795
; GENERAL INFORMATION:
; APPLICANT: Linsley, Peter S.
; APPLICANT: Ledbetter, Jeffrey A.
; APPLICANT: Damle, Nitin K.
; APPLICANT: Brady, William
; TITLE OF INVENTION: CTLA4 Receptor and Uses Thereof
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merchant & Gould
; STREET: 11150 Santa Monica Blvd., Suite 400
; CITY: Los Angeles
; STATE: California
; COUNTRY: USA
; ZIP: 90025
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: FastSeq 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/459,818
; FILING DATE: 02-JUN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Adriano, Sarah B.
; REGISTRATION NUMBER: 34,470
; REFERENCE/DOCKET NUMBER: 30436.35US02
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 310-445-1140
; TELEFAX: 310-445-9031
; INFORMATION FOR SEQ ID NO: 25:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 223 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-459-818-25

```

```

Query Match          31.2%; Score 5; DB 2; Length 223;
Best Local Similarity 100.0%; Pred. No. 84;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY          9 FIFW 13
          |||||
Db          176 FIFW 180

```

```

RESULT 19
US-08-889-666-25

```

; Sequence 25, Application US/08889666
; Patent No. 5885579
; GENERAL INFORMATION:
; APPLICANT: Linsley, Peter S.
; APPLICANT: Ledbetter, Jeffrey A.
; APPLICANT: Damle, Nitin K.
; APPLICANT: Brady, William
; APPLICANT: Kiener, Peter A.
; TITLE OF INVENTION: CTLA4 Receptor and Uses Thereof
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merchant & Gould
; STREET: 11150 Santa Monica Blvd., Suite 400
; CITY: Los Angeles
; STATE: California
; COUNTRY: USA
; ZIP: 90025
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/889,666
; FILING DATE: 08-JUL-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/375390
; FILING DATE: 18-JAN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Adriano, Sarah B.
; REGISTRATION NUMBER: 34,470
; REFERENCE/DOCKET NUMBER: 30436-35US01
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 310-445-1140
; TELEFAX: 310-445-9031
; INFORMATION FOR SEQ ID NO: 25:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 223 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-889-666-25

Query Match 31.2%; Score 5; DB 2; Length 223;
Best Local Similarity 100.0%; Pred. No. 84;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 FIIFW 13
Db 176 FIIFW 180

RESULT 20
US-08-465-078-25
; Sequence 25, Application US/08465078
; Patent No. 5885796
; GENERAL INFORMATION:
; APPLICANT: Linsley, Peter S.
; APPLICANT: Ledbetter, Jeffrey A.
; APPLICANT: Damle, Nitin K.
; APPLICANT: Brady, William
; APPLICANT: Kiener, Peter A.
; TITLE OF INVENTION: CTLA4 Receptor and Uses Thereof
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merchant & Gould
; STREET: 11150 Santa Monica Blvd., Suite 400
; CITY: Los Angeles
; STATE: California
; COUNTRY: USA

; ZIP: 90025
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/465,078
; FILING DATE: 05-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/375390
; FILING DATE: 18-JAN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Adriano, Sarah B.
; REGISTRATION NUMBER: 34,470
; REFERENCE/DOCKET NUMBER: 30436-35US01
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 310-445-1140
; TELEFAX: 310-445-9031
; INFORMATION FOR SEQ ID NO: 25:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 223 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-465-078-25

Query Match 31.2%; Score 5; DB 2; Length 223;
Best Local Similarity 100.0%; Pred. No. 84;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 FIIFW 13
Db 176 FIIFW 180

RESULT 21
US-08-725-776-25
; Sequence 25, Application US/08725776
; Patent No. 5968510
; GENERAL INFORMATION:
; APPLICANT: Linsley, Peter S.
; APPLICANT: Ledbetter, Jeffrey A.
; APPLICANT: Damle, Nitin K.
; APPLICANT: Brady, William
; APPLICANT: Kiener, Peter A.
; TITLE OF INVENTION: CTLA4 Receptor and Uses Thereof
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merchant & Gould
; STREET: 11150 Santa Monica Blvd., Suite 400
; CITY: Los Angeles
; STATE: California
; COUNTRY: USA
; ZIP: 90025
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/725,776
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/375390
; FILING DATE: 18-JAN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Adriano, Sarah B.
; REGISTRATION NUMBER: 34,470
; REFERENCE/DOCKET NUMBER: 30436-35US01

TELECOMMUNICATION INFORMATION:
 TELEPHONE: 310-445-1140
 TELEFAX: 310-445-9031
 INFORMATION FOR SEQ ID NO: 25:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 223 amino acids
 TYPE: amino acid
 STRANDEDNESS:
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-725-776-25

Query Match 31.2%; Score 5; DB 2; Length 223;
 Best Local Similarity 100.0%; Pred. No. 84;
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 FIIFW 13
 Db 176 FIIFW 180

RESULT 22
 US-08-488-062-25
 ; Sequence 25, Application US/08488062
 ; Patent No. 5977318
 ; GENERAL INFORMATION:
 ; APPLICANT: Linsley, Peter S.
 ; APPLICANT: Ledbetter, Jeffrey A.
 ; APPLICANT: Damle, Nitin K.
 ; APPLICANT: Brady, William
 ; APPLICANT: Kiener, Peter A.
 ; TITLE OF INVENTION: CTLA4 Receptor and Uses Thereof
 ; NUMBER OF SEQUENCES: 26
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Merchant & Gould
 ; STREET: 11150 Santa Monica Blvd., Suite 400
 ; CITY: Los Angeles
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 90025
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patentin Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/488,062
 ; FILING DATE: 07-JUN-1995
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/375390
 ; FILING DATE: 18-JAN-1995
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Adriano, Sarah B.
 ; REGISTRATION NUMBER: 34,470
 ; REFERENCE/DOCKET NUMBER: 30436-35US01
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 310-445-1140
 ; TELEFAX: 310-445-9031
 ; INFORMATION FOR SEQ ID NO: 25:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 223 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS:
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; US-08-488-062-25

Query Match 31.2%; Score 5; DB 2; Length 223;
 Best Local Similarity 100.0%; Pred. No. 84;
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 FIIFW 13

Db 176 FIIFW 180

RESULT 23
 US-09-134-001C-2965
 ; Sequence 2965, Application US/09134001C
 ; Patent No. 6380370
 ; GENERAL INFORMATION:
 ; APPLICANT: Lynn Doucette-Stamm et al
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCI
 ; TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
 ; FILE REFERENCE: GTC-007
 ; CURRENT APPLICATION NUMBER: US/09/134,001C
 ; CURRENT FILING DATE: 1998-08-13
 ; PRIOR APPLICATION NUMBER: US 60/064,964
 ; PRIOR FILING DATE: 1997-11-08
 ; PRIOR APPLICATION NUMBER: US 60/055,779
 ; PRIOR FILING DATE: 1997-08-14
 ; NUMBER OF SEQ ID NOS: 5674
 ; SEQ ID NO 2965
 ; LENGTH: 229
 ; TYPE: PRT
 ; ORGANISM: Staphylococcus epidermidis
 ; US-09-134-001C-2965

Query Match 31.2%; Score 5; DB 4; Length 229;
 Best Local Similarity 100.0%; Pred. No. 86;
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 IIFWI 14
 Db 63 IIFWI 67

RESULT 24
 US-08-858-207A-420
 ; Sequence 420, Application US/08858207A
 ; Patent No. 6348328
 ; GENERAL INFORMATION:
 ; APPLICANT: Black, Michael
 ; APPLICANT: Hodgson, John
 ; APPLICANT: Knowles, David
 ; APPLICANT: Nicholas, Richard
 ; APPLICANT: Stodola, Robert
 ; TITLE OF INVENTION: No. 6348328e1 Compounds
 ; NUMBER OF SEQUENCES: 552
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: SmithKline Beecham Corporation
 ; STREET: 709 Swedeland Road
 ; CITY: King of Prussia
 ; STATE: PA
 ; COUNTRY: USA
 ; ZIP: 19406-0939
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: DOS
 ; SOFTWARE: FastSEQ for Windows Version 2.0
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/858,207A
 ; FILING DATE: 09-MAY-1997
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 60/017670
 ; FILING DATE: 14-MAY-1996
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Gimmi, Edward R
 ; REGISTRATION NUMBER: 38,891
 ; REFERENCE/DOCKET NUMBER: P50475
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 610-270-4478
 ; TELEFAX: 610-270-5090

```
;
;   TELEX:
;   INFORMATION FOR SEQ ID NO: 420:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH: 238 amino acids
;       TYPE: amino acid
;       STRANDEDNESS: single
;       TOPOLOGY: linear
;     MOLECULE TYPE: No. 6348328e
;   US-08-858-207A-420

Query Match          31.2%; Score 5; DB 4; Length 238;
Best Local Similarity 100.0%; Pred. No. 89;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      6 GIDFI 10
      |||||
Db      32 GIDFI 36

RESULT 25
US-09-252-991A-23138
; Sequence 23138, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 23138
; LENGTH: 268
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
; US-09-252-991A-23138

Query Match          31.2%; Score 5; DB 4; Length 268;
Best Local Similarity 100.0%; Pred. No. 98;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 IIFWI 14
      |||||
Db      18 IIFWI 22

RESULT 26
US-09-252-991A-23139
; Sequence 23139, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 23139
; LENGTH: 268
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
; US-09-252-991A-23139

Query Match          31.2%; Score 5; DB 4; Length 268;
```

```
;
;   Best Local Similarity 100.0%; Pred. No. 98;
;   Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      10 IIFWI 14
      |||||
Db      18 IIFWI 22

RESULT 27
US-09-188-579-84
; Sequence 84, Application US/09188579B
; Patent No. 6107040
; GENERAL INFORMATION:
; APPLICANT: Shuman, Stewart
; TITLE OF INVENTION: Pharmacological Targeting of mRNA Cap Formation
; FILE REFERENCE: D6185
; CURRENT APPLICATION NUMBER: US/09/188,579B
; CURRENT FILING DATE: 1998-11-09
; NUMBER OF SEQ ID NOS: 114
; SEQ ID NO 84
; LENGTH: 270
; TYPE: PRT
; ORGANISM: Chlorella virus PBCV-1
; FEATURE:
; OTHER INFORMATION: Amino acid sequence of RNA guanylyltransferase.
; US-09-188-579-84

Query Match          31.2%; Score 5; DB 3; Length 270;
Best Local Similarity 100.0%; Pred. No. 98;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      7 IDFII 11
      |||||
Db      188 IDFII 192

RESULT 28
US-09-315-444-84
; Sequence 84, Application US/09315444A
; Patent No. 6232070
; GENERAL INFORMATION:
; APPLICANT: Shuman, Stewart
; TITLE OF INVENTION: Pharmacological Targeting of mRNA Cap Formation
; FILE REFERENCE: D6185CIP
; CURRENT APPLICATION NUMBER: US/09/315,444A
; CURRENT FILING DATE: 1999-05-20
; PRIOR APPLICATION NUMBER: US 09/188,579
; PRIOR FILING DATE: 1998-11-09
; NUMBER OF SEQ ID NOS: 116
; SEQ ID NO 84
; LENGTH: 270
; TYPE: PRT
; ORGANISM: Chlorella virus PBCV-1
; FEATURE:
; OTHER INFORMATION: Amino acid sequence of RNA guanylyltransferase.
; US-09-315-444-84

Query Match          31.2%; Score 5; DB 3; Length 270;
Best Local Similarity 100.0%; Pred. No. 98;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      7 IDFII 11
      |||||
Db      188 IDFII 192

RESULT 29
US-09-721-362-84
; Sequence 84, Application US/09721362
; Patent No. 6420163
; GENERAL INFORMATION:
; APPLICANT: Shuman, Stewart
; TITLE OF INVENTION: Pharmacological Targeting of mRNA Cap Formation
```



```

; FILE REFERENCE: D6185CIP/D
; CURRENT APPLICATION NUMBER: US/09/721,362
; CURRENT FILING DATE: 2000-11-22
; PRIOR APPLICATION NUMBER: US 09/315,444
; PRIOR FILING DATE: 1999-05-20
; NUMBER OF SEQ ID NOS: 116
; SEQ ID NO 84
; LENGTH: 270
; TYPE: PRT
; ORGANISM: Chlorella virus PBCV-1
; FEATURE:
; OTHER INFORMATION: Amino acid sequence of RNA guanylyltransferase.
US-09-721-362-84

Query Match 31.2%; Score 5; DB 4; Length 270;
Best Local Similarity 100.0%; Pred. No. 98;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 IDFI 11
Db 188 IDFI 192

RESULT 30
US-09-252-991A-23186
; Sequence 23186, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 23186
; LENGTH: 270
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-23186

Query Match 31.2%; Score 5; DB 4; Length 270;
Best Local Similarity 100.0%; Pred. No. 98;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 IIFWI 14
Db 20 IIFWI 24

RESULT 31
US-08-118-270-79
; Sequence 79, Application US/08118270
; Patent No. 5508384
; GENERAL INFORMATION:
; APPLICANT: Murphy, Randall B.
; APPLICANT: Schuster, David I.
; TITLE OF INVENTION: POLYPEPTIDES OF G-COUPLED PROTEIN
; TITLE OF INVENTION: RECEPTORS, AND COMPOSITIONS AND METHODS THEREOF
; NUMBER OF SEQUENCES: 348
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BROWDY AND NEIMARK
; STREET: 419 Seventh Street, N.W., Suite 300
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/08528
; FILING DATE: 09-SEP-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/943,236
; FILING DATE: 10-SEP-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Townsend, Kevin G.
; REGISTRATION NUMBER: 34,033
; REFERENCE/DOCKET NUMBER: MURPHY=2 PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-628-5197
; TELEFAX: 202-737-3528
; TELEX: 248633
; INFORMATION FOR SEQ ID NO: 79:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 295 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-118-270-79

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; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/118,270
; FILING DATE: 09-SEP-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/943,236
; FILING DATE: 10-SEP-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Townsend, Kevin G.
; REGISTRATION NUMBER: 34,033
; REFERENCE/DOCKET NUMBER: MURPHY=2A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-628-5197
; TELEFAX: 202-737-3528
; TELEX: 248633
; INFORMATION FOR SEQ ID NO: 79:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 295 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-118-270-79

Query Match 31.2%; Score 5; DB 1; Length 295;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 FIIFW 13
Db 207 FIIFW 211

RESULT 32
PCT-US93-08528-79
; Sequence 79, Application PC/TUS9308528
; GENERAL INFORMATION:
; APPLICANT: New York University
; TITLE OF INVENTION: POLYPEPTIDES OF G-COUPLED PROTEIN
; TITLE OF INVENTION: RECEPTORS, AND COMPOSITIONS AND METHODS THEREOF
; NUMBER OF SEQUENCES: 348
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BROWDY AND NEIMARK
; STREET: 419 Seventh Street, N.W., Suite 300
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/08528
; FILING DATE: 09-SEP-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/943,236
; FILING DATE: 10-SEP-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Townsend, Kevin G.
; REGISTRATION NUMBER: 34,033
; REFERENCE/DOCKET NUMBER: MURPHY=2 PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-628-5197
; TELEFAX: 202-737-3528
; TELEX: 248633
; INFORMATION FOR SEQ ID NO: 79:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 295 amino acids
; TYPE: amino acid

```

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; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
PCT-US93-08528-79

Query Match      31.2%; Score 5; DB 5; Length 295;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      9 FIIFW 13
      |||||
Db      207 FIIFW 211

RESULT 33
US-09-495-406-34
; Sequence 34, Application US/09495406
; Patent No. 6503744
; GENERAL INFORMATION:
; APPLICANT: Gilbert, Michel
; APPLICANT: Wakarchuk, Warren W.
; APPLICANT: National Research Council of Canada
; TITLE OF INVENTION: Campylobacter Glycosyltransferases for Biosynthesis of
; TITLE OF INVENTION: Gangliosides and Ganglioside Mimics
; FILE REFERENCE: 019633-000110US
; CURRENT APPLICATION NUMBER: US/09/495,406
; CURRENT FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: US 60/118,213
; PRIOR FILING DATE: 1999-02-01
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 34
; LENGTH: 322
; TYPE: PRT
; ORGANISM: Campylobacter jejuni
; FEATURE:
; OTHER INFORMATION: Campylobacter alpha-2,3-sialyltransferase I (cstI)
; OTHER INFORMATION: from C. jejuni OH4384
US-09-495-406-34

Query Match      31.2%; Score 5; DB 4; Length 322;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      5 CGIDF 9
      |||||
Db      166 CGIDF 170

RESULT 34
US-09-107-532A-4764
; Sequence 4764, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 7310
; CORRESPONDENCE ADDRESS:
; ADDRESS: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660
; COMPUTER: PC
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,532A
; FILING DATE: 30-Jun-1998
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; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/085,598
; FILING DATE: 14 May 1998
; APPLICATION NUMBER: 60/051571
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Deneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-012
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 4764:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 386 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ORIGINAL SOURCE:
; ORGANISM: Enterococcus faecium
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (B) LOCATION 1...386
; SEQUENCE DESCRIPTION: SEQ ID NO: 4764:
US-09-107-532A-4764

Query Match      31.2%; Score 5; DB 4; Length 386;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      11 IFWIF 15
      |||||
Db      153 IFWIF 157

RESULT 35
US-08-974-022-2
; Sequence 2, Application US/08974022
; Patent No. 6015938
; GENERAL INFORMATION:
; APPLICANT: Boyle, William J.
; APPLICANT: Lacey, David L.
; APPLICANT: Calzone, Frank J.
; APPLICANT: Chang, Ming-Shi
; TITLE OF INVENTION: OSTEOPROTEGERIN
; NUMBER OF SEQUENCES: 53
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Amgen Inc.
; STREET: 1840 Dehavilland Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: USA
; ZIP: 91320-1789
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/974,022
; FILING DATE: 12-DEC-1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/577,788
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Winter, Robert B.
; REFERENCE/DOCKET NUMBER: A-378
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 401 amino acids
; TYPE: amino acid
```

```
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-974-022-2

Query Match      31.2%; Score 5; DB 3; Length 401;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      4 NCGID 8
      |||||
Db      194 NCGID 198

RESULT 36
US-08-795-445A-2
; Sequence 2, Application US/08795445A
; Patent No. 6284485
; GENERAL INFORMATION:
; APPLICANT: Boyle, William J.
; APPLICANT: Lacey, David L.
; APPLICANT: Calzone, Frank J.
; APPLICANT: Chang, Ming-Shi
; TITLE OF INVENTION: OSTEOPROTEGERIN
; NUMBER OF SEQUENCES: 53
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Amgen Inc.
; STREET: 1840 Dehavilland Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: USA
; ZIP: 91320-1789
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/795,445A
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Winter, Robert B.
; REFERENCE/DOCKET NUMBER: A-378
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 401 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-795-445A-2

Query Match      31.2%; Score 5; DB 3; Length 401;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      4 NCGID 8
      |||||
Db      194 NCGID 198

RESULT 37
US-08-795-447A-2
; Sequence 2, Application US/08795447A
; Patent No. 6284728
; GENERAL INFORMATION:
; APPLICANT: Boyle, William J.
; APPLICANT: Lacey, David L.
; APPLICANT: Calzone, Frank J.
; APPLICANT: Chang, Ming-Shi
; TITLE OF INVENTION: Osteoprotegerin
```

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; NUMBER OF SEQUENCES: 53
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Amgen Inc.
; STREET: One Amgen Center Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: USA
; ZIP: 91362-1789
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/795,447A
; FILING DATE:
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Winter, Robert B.
; REFERENCE/DOCKET NUMBER: A-378D2
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 401 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-795-447A-2

Query Match      31.2%; Score 5; DB 3; Length 401;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      4 NCGID 8
      |||||
Db      194 NCGID 198

RESULT 38
US-08-974-186-2
; Sequence 2, Application US/08974186
; Patent No. 6284740
; GENERAL INFORMATION:
; APPLICANT: Boyle, William J.
; APPLICANT: Lacey, David L.
; APPLICANT: Calzone, Frank J.
; APPLICANT: Chang, Ming-Shi
; TITLE OF INVENTION: OSTEOPROTEGERIN
; NUMBER OF SEQUENCES: 53
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Amgen Inc.
; STREET: 1840 Dehavilland Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: USA
; ZIP: 91320-1789
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/974,186
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/577,788
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Winter, Robert B.
; REFERENCE/DOCKET NUMBER: A-378
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 401 amino acids
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```

; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-974-186-2

Query Match      31.2%; Score 5; DB 3; Length 401;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      4 NCGID 8
      |||||
Db      194 NCGID 198

```

```

RESULT 39
US-08-795-446B-2
; Sequence 2, Application US/08795446B
; Patent No. 6288032
; GENERAL INFORMATION:
; APPLICANT: Boyle, William J.
; APPLICANT: Lacey, David L.
; APPLICANT: Calzone, Frank J.
; APPLICANT: Chang, Ming-Shi
; TITLE OF INVENTION: OSTEOPROTEGERIN
; NUMBER OF SEQUENCES: 53
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Amgen Inc.
; STREET: 1840 Dehavilland Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: USA
; ZIP: 91320-1789
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/795,446B
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/577,788
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Winter, Robert B.
; REFERENCE/DOCKET NUMBER: A-378
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 401 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-795-446B-2

```

```

Query Match      31.2%; Score 5; DB 3; Length 401;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      4 NCGID 8
      |||||
Db      194 NCGID 198

```

```

RESULT 40
US-08-706-945D-124
; Sequence 124, Application US/08706945D
; Patent No. 6369027
; GENERAL INFORMATION:
; APPLICANT: Boyle, William
; APPLICANT: Lacey, David
; APPLICANT: Calzone, Frank
; APPLICANT: Chang, Ming-Shi

```

```

; TITLE OF INVENTION: Osteoprotegerin
; FILE REFERENCE: A-378CIP
; CURRENT APPLICATION NUMBER: US/08/706,945D
; CURRENT FILING DATE: 1996-09-03
; PRIOR APPLICATION NUMBER: 08/577,788
; PRIOR FILING DATE: 1995-12-22
; NUMBER OF SEQ ID NOS: 145
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 124
; LENGTH: 401
; TYPE: PRT
; ORGANISM: Rattus rattus
US-08-706-945D-124

Query Match      31.2%; Score 5; DB 4; Length 401;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      4 NCGID 8
      |||||
Db      194 NCGID 198

Search completed: October 28, 2003, 17:16:40
Job time : 19.8053 secs

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: October 28, 2003, 17:16:48 ; Search time 12.7434 Seconds
(without alignments)
210.256 Million cell updates/sec

Title: US-09-854-133-587
Perfect score: 16
Sequence: 1 FQANCGIDFIIFWIFW 16

Scoring table: OLIGO
Gapop 60.0 , Gapext 60.0

Searched: 629382 seqs, 167460630 residues

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Total number of hits satisfying chosen parameters: 629382

Minimum DB seq length: 0

Maximum DB seq length: 20000000000

Post-processing: Listing first 1000 summaries

Database : Published Applications_AA:*

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10: /cgn2_6/ptodata/2/pubpaa/US09B_PUBCOMB.pep.*
11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep.*
12: /cgn2_6/ptodata/2/pubpaa/US09_NEW PUB.pep.*
13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
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15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*
16: /cgn2_6/ptodata/2/pubpaa/US10_NEW PUB.pep.*
17: /cgn2_6/ptodata/2/pubpaa/US60_NEW PUB.pep.*
18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	ID	Description
1	16	100.0	16	10	US-09-738-973-587 Sequence 587, App
2	16	100.0	16	10	US-09-854-133-587 Sequence 587, App
3	16	100.0	16	15	US-10-144-649A-587 Sequence 587, App
4	16	100.0	97	10	US-09-738-973-586 Sequence 586, App
5	16	100.0	97	10	US-09-854-133-586 Sequence 586, App
6	16	100.0	97	15	US-10-144-649A-586 Sequence 586, App
7	16	100.0	114	15	US-10-144-649A-742 Sequence 742, App
8	6	37.5	90	12	US-10-315-515-39 Sequence 39, Appl
9	6	37.5	90	12	US-10-315-515-44 Sequence 44, Appl
10	6	37.5	95	12	US-10-315-515-35 Sequence 35, Appl
11	6	37.5	96	12	US-10-315-515-34 Sequence 34, Appl
12	6	37.5	96	12	US-10-315-515-36 Sequence 36, Appl
13	6	37.5	96	12	US-10-315-515-37 Sequence 37, Appl
14	6	37.5	96	12	US-10-315-515-40 Sequence 40, Appl
15	6	37.5	96	12	US-10-315-515-41 Sequence 41, Appl

16	6	37.5	96	12	US-10-315-515-42	Sequence 42, Appl
17	6	37.5	105	12	US-10-315-515-43	Sequence 43, Appl
18	6	37.5	106	12	US-10-315-515-38	Sequence 38, Appl
19	5	31.2	41	11	US-09-820-843A-43	Sequence 43, Appl
20	5	31.2	44	9	US-09-864-761-39223	Sequence 39223, A
21	5	31.2	67	9	US-09-764-887-221	Sequence 221, App
22	5	31.2	67	15	US-10-073-961-221	Sequence 221, App
23	5	31.2	68	15	US-10-102-806-693	Sequence 693, App
24	5	31.2	82	11	US-09-764-891-3247	Sequence 3247, Ap
25	5	31.2	82	12	US-10-434-588-43	Sequence 43, Appl
26	5	31.2	93	12	US-10-315-515-46	Sequence 46, Appl
27	5	31.2	104	11	US-09-764-891-3077	Sequence 3077, Ap
28	5	31.2	118	14	US-10-047-676A-17	Sequence 17, Appl
29	5	31.2	166	10	US-09-738-626-4531	Sequence 4531, Ap
30	5	31.2	166	11	US-09-746-660A-94	Sequence 94, Appl
31	5	31.2	166	11	US-09-746-660A-96	Sequence 96, Appl
32	5	31.2	198	11	US-09-791-279-200	Sequence 200, App
33	5	31.2	198	15	US-10-183-116-107	Sequence 107, App
34	5	31.2	206	15	US-10-183-116-103	Sequence 103, App
35	5	31.2	207	15	US-10-183-116-101	Sequence 101, App
36	5	31.2	208	9	US-09-728-721-65	Sequence 65, Appl
37	5	31.2	208	12	US-10-436-826-69	Sequence 69, Appl
38	5	31.2	208	15	US-10-295-981-65	Sequence 65, Appl
39	5	31.2	216	10	US-09-747-155-47	Sequence 47, Appl
40	5	31.2	216	10	US-09-747-155-51	Sequence 51, Appl
41	5	31.2	216	10	US-09-747-155-116	Sequence 116, App
42	5	31.2	219	12	US-10-076-934-2	Sequence 2, Appl
43	5	31.2	220	10	US-09-989-545-19	Sequence 19, Appl
44	5	31.2	220	11	US-09-835-297-4	Sequence 4, Appl
45	5	31.2	220	12	US-10-143-238-2	Sequence 2, Appl
46	5	31.2	220	14	US-10-107-828-25	Sequence 25, Appl
47	5	31.2	220	14	US-10-107-907-25	Sequence 25, Appl
48	5	31.2	220	14	US-10-107-868-25	Sequence 25, Appl
49	5	31.2	220	15	US-10-301-056-25	Sequence 25, Appl
50	5	31.2	220	15	US-10-207-655-99	Sequence 99, Appl
51	5	31.2	225	12	US-10-017-161-668	Sequence 668, App
52	5	31.2	228	10	US-09-738-626-4341	Sequence 4341, Ap
53	5	31.2	262	15	US-10-183-116-99	Sequence 99, Appl
54	5	31.2	269	12	US-10-183-708-80	Sequence 80, Appl
55	5	31.2	269	12	US-09-932-227-80	Sequence 80, Appl
56	5	31.2	305	10	US-09-738-626-3808	Sequence 3808, Ap
57	5	31.2	312	11	US-09-864-029-2	Sequence 2, Appl
58	5	31.2	312	11	US-09-864-029-4	Sequence 4, Appl
59	5	31.2	312	12	US-10-017-161-456	Sequence 456, App
60	5	31.2	312	12	US-10-166-225A-94	Sequence 94, Appl
61	5	31.2	314	16	US-10-163-415-22	Sequence 22, Appl
62	5	31.2	320	12	US-10-356-088-39	Sequence 39, Appl
63	5	31.2	321	9	US-09-815-242-4990	Sequence 4990, Ap
64	5	31.2	321	9	US-09-815-242-10635	Sequence 10635, A
65	5	31.2	322	9	US-09-816-028A-48	Sequence 48, Appl
66	5	31.2	322	12	US-10-303-161-48	Sequence 48, Appl
67	5	31.2	322	12	US-10-303-118-48	Sequence 48, Appl
68	5	31.2	322	12	US-10-303-128-48	Sequence 48, Appl
69	5	31.2	322	12	US-10-303-134-48	Sequence 48, Appl
70	5	31.2	322	12	US-10-303-162-48	Sequence 48, Appl
71	5	31.2	326	12	US-10-356-088-38	Sequence 38, Appl
72	5	31.2	338	11	US-09-769-787-161	Sequence 161, App
73	5	31.2	341	16	US-10-163-415-20	Sequence 20, Appl
74	5	31.2	345	10	US-09-886-055-293	Sequence 293, App
75	5	31.2	345	11	US-09-864-029-8	Sequence 8, Appl
76	5	31.2	345	11	US-09-804-291-293	Sequence 293, App
77	5	31.2	354	12	US-09-944-049-2	Sequence 2, Appl
78	5	31.2	354	12	US-09-944-049-4	Sequence 4, Appl
79	5	31.2	354	12	US-09-944-049-48	Sequence 48, Appl
80	5	31.2	375	12	US-09-840-743-12	Sequence 12, Appl
81	5	31.2	388	9	US-09-880-137-5	Sequence 5, Appl
82	5	31.2	388	9	US-09-880-137-6	Sequence 6, Appl
83	5	31.2	388	12	US-09-800-137A-5	Sequence 5, Appl
84	5	31.2	388	12	US-09-800-137A-6	Sequence 6, Appl
85	5	31.2	399	12	US-10-032-585-7881	Sequence 7881, Ap
86	5	31.2	403	9	US-09-852-053-4	Sequence 4, Appl
87	5	31.2	403	10	US-09-738-626-5328	Sequence 5328, Ap
88	5	31.2	411	9	US-09-815-242-5128	Sequence 5128, Ap

89	5	31.2	430	15	US-10-058-636-2	Sequence 2, Appli	162	5	31.2	445	12	US-10-173-692-148	Sequence 148, App
90	5	31.2	445	9	US-09-989-722-177	Sequence 177, App	163	5	31.2	445	12	US-10-173-694-148	Sequence 148, App
91	5	31.2	445	9	US-09-989-723-177	Sequence 177, App	164	5	31.2	445	12	US-10-173-698-148	Sequence 148, App
92	5	31.2	445	9	US-09-989-279-177	Sequence 177, App	165	5	31.2	445	12	US-10-173-699-148	Sequence 148, App
93	5	31.2	445	9	US-09-989-727-177	Sequence 177, App	166	5	31.2	445	12	US-10-173-707-148	Sequence 148, App
94	5	31.2	445	10	US-09-989-731-177	Sequence 177, App	167	5	31.2	445	12	US-10-174-569-148	Sequence 148, App
95	5	31.2	445	10	US-09-989-732-177	Sequence 177, App	168	5	31.2	445	12	US-10-174-583-148	Sequence 148, App
96	5	31.2	445	10	US-09-991-073-177	Sequence 177, App	169	5	31.2	445	12	US-10-174-587-148	Sequence 148, App
97	5	31.2	445	10	US-09-990-442-177	Sequence 177, App	170	5	31.2	445	12	US-10-174-589-148	Sequence 148, App
98	5	31.2	445	10	US-09-991-163-177	Sequence 177, App	171	5	31.2	445	12	US-10-174-591-148	Sequence 148, App
99	5	31.2	445	10	US-09-993-604-177	Sequence 177, App	172	5	31.2	445	12	US-10-175-736-148	Sequence 148, App
100	5	31.2	445	10	US-09-990-456-177	Sequence 177, App	173	5	31.2	445	12	US-10-175-742-148	Sequence 148, App
101	5	31.2	445	10	US-09-989-721-177	Sequence 177, App	174	5	31.2	445	12	US-10-175-744-148	Sequence 148, App
102	5	31.2	445	10	US-09-992-598-177	Sequence 177, App	175	5	31.2	445	12	US-10-175-745-148	Sequence 148, App
103	5	31.2	445	10	US-09-989-293A-177	Sequence 177, App	176	5	31.2	445	12	US-10-175-748-148	Sequence 148, App
104	5	31.2	445	10	US-09-989-735-177	Sequence 177, App	177	5	31.2	445	12	US-10-175-751-148	Sequence 148, App
105	5	31.2	445	10	US-09-990-444-177	Sequence 177, App	178	5	31.2	445	12	US-10-175-754-148	Sequence 148, App
106	5	31.2	445	10	US-09-991-181-177	Sequence 177, App	179	5	31.2	445	12	US-10-176-480-148	Sequence 148, App
107	5	31.2	445	10	US-09-989-730-177	Sequence 177, App	180	5	31.2	445	12	US-10-176-489-148	Sequence 148, App
108	5	31.2	445	10	US-09-990-436-177	Sequence 177, App	181	5	31.2	445	12	US-10-176-754-148	Sequence 148, App
109	5	31.2	445	10	US-09-993-687-177	Sequence 177, App	182	5	31.2	445	12	US-10-176-755-148	Sequence 148, App
110	5	31.2	445	11	US-09-989-734-177	Sequence 177, App	183	5	31.2	445	12	US-10-176-759-148	Sequence 148, App
111	5	31.2	445	11	US-09-997-653-177	Sequence 177, App	184	5	31.2	445	12	US-10-176-920-148	Sequence 148, App
112	5	31.2	445	11	US-09-993-667-177	Sequence 177, App	185	5	31.2	445	12	US-10-176-922-148	Sequence 148, App
113	5	31.2	445	11	US-09-997-428-177	Sequence 177, App	186	5	31.2	445	12	US-10-176-924-148	Sequence 148, App
114	5	31.2	445	11	US-09-997-666-177	Sequence 177, App	187	5	31.2	445	12	US-10-176-984-148	Sequence 148, App
115	5	31.2	445	11	US-09-990-438-177	Sequence 177, App	188	5	31.2	445	12	US-10-176-984-148	Sequence 148, App
116	5	31.2	445	11	US-09-990-562-177	Sequence 177, App	189	5	31.2	445	12	US-10-179-508-148	Sequence 148, App
117	5	31.2	445	11	US-09-990-711-177	Sequence 177, App	190	5	31.2	445	12	US-10-179-512-148	Sequence 148, App
118	5	31.2	445	11	US-09-989-726-177	Sequence 177, App	191	5	31.2	445	12	US-10-179-515-148	Sequence 148, App
119	5	31.2	445	11	US-09-998-156-177	Sequence 177, App	192	5	31.2	445	12	US-10-063-526-32	Sequence 32, Appl
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121	5	31.2	445	11	US-09-991-157-177	Sequence 177, App	194	5	31.2	445	12	US-10-173-703-148	Sequence 148, App
122	5	31.2	445	11	US-09-997-514-177	Sequence 177, App	195	5	31.2	445	12	US-10-173-704-148	Sequence 148, App
123	5	31.2	445	11	US-09-997-573-177	Sequence 177, App	196	5	31.2	445	12	US-10-174-574-148	Sequence 148, App
124	5	31.2	445	11	US-09-991-172-177	Sequence 177, App	197	5	31.2	445	12	US-10-176-486-148	Sequence 148, App
125	5	31.2	445	11	US-09-990-726-177	Sequence 177, App	198	5	31.2	445	12	US-10-176-490-148	Sequence 148, App
126	5	31.2	445	11	US-09-997-559-177	Sequence 177, App	199	5	31.2	445	12	US-10-176-752-148	Sequence 148, App
127	5	31.2	445	11	US-09-997-601-177	Sequence 177, App	200	5	31.2	445	12	US-10-176-981-148	Sequence 148, App
128	5	31.2	445	11	US-09-990-443-177	Sequence 177, App	201	5	31.2	445	12	US-10-063-586-32	Sequence 32, Appl
129	5	31.2	445	11	US-09-991-854-177	Sequence 177, App	202	5	31.2	445	12	US-10-063-510-32	Sequence 32, Appl
130	5	31.2	445	11	US-09-997-628-177	Sequence 177, App	203	5	31.2	445	12	US-10-063-514-32	Sequence 32, Appl
131	5	31.2	445	11	US-09-997-683-177	Sequence 177, App	204	5	31.2	445	12	US-10-063-516-32	Sequence 32, Appl
132	5	31.2	445	11	US-09-989-729A-177	Sequence 177, App	205	5	31.2	445	12	US-10-063-523-32	Sequence 32, Appl
133	5	31.2	445	11	US-09-997-349-177	Sequence 177, App	206	5	31.2	445	12	US-10-063-527-32	Sequence 32, Appl
134	5	31.2	445	11	US-09-997-440-177	Sequence 177, App	207	5	31.2	445	12	US-10-063-528-32	Sequence 32, Appl
135	5	31.2	445	11	US-09-990-440-177	Sequence 177, App	208	5	31.2	445	12	US-10-063-529-32	Sequence 32, Appl
136	5	31.2	445	11	US-09-993-469-177	Sequence 177, App	209	5	31.2	445	12	US-10-063-536-32	Sequence 32, Appl
137	5	31.2	445	11	US-09-997-542-177	Sequence 177, App	210	5	31.2	445	12	US-10-063-540-32	Sequence 32, Appl
138	5	31.2	445	11	US-09-993-748-177	Sequence 177, App	211	5	31.2	445	12	US-10-063-546-32	Sequence 32, Appl
139	5	31.2	445	11	US-09-990-439-177	Sequence 177, App	212	5	31.2	445	12	US-10-063-562-32	Sequence 32, Appl
140	5	31.2	445	11	US-09-990-427-177	Sequence 177, App	213	5	31.2	445	12	US-10-063-564-32	Sequence 32, Appl
141	5	31.2	445	11	US-09-989-328-177	Sequence 177, App	214	5	31.2	445	12	US-10-063-565-32	Sequence 32, Appl
142	5	31.2	445	11	US-09-993-583-177	Sequence 177, App	215	5	31.2	445	12	US-10-063-568-32	Sequence 32, Appl
143	5	31.2	445	11	US-09-941-992-177	Sequence 177, App	216	5	31.2	445	12	US-10-063-570-32	Sequence 32, Appl
144	5	31.2	445	11	US-09-992-521-177	Sequence 177, App	217	5	31.2	445	12	US-10-063-577-32	Sequence 32, Appl
145	5	31.2	445	11	US-09-997-333-177	Sequence 177, App	218	5	31.2	445	12	US-10-063-579-32	Sequence 32, Appl
146	5	31.2	445	11	US-09-997-384-177	Sequence 177, App	219	5	31.2	445	12	US-10-063-581-32	Sequence 32, Appl
147	5	31.2	445	11	US-09-998-041-177	Sequence 177, App	220	5	31.2	445	12	US-10-063-582-32	Sequence 32, Appl
148	5	31.2	445	11	US-09-997-585-177	Sequence 177, App	221	5	31.2	445	12	US-10-063-583-32	Sequence 32, Appl
149	5	31.2	445	11	US-09-997-614-177	Sequence 177, App	222	5	31.2	445	12	US-10-063-584-32	Sequence 32, Appl
150	5	31.2	445	12	US-09-989-862-177	Sequence 177, App	223	5	31.2	445	12	US-10-063-587-32	Sequence 32, Appl
151	5	31.2	445	12	US-09-989-725-177	Sequence 177, App	224	5	31.2	445	12	US-10-063-589-32	Sequence 32, Appl
152	5	31.2	445	12	US-09-997-529-177	Sequence 177, App	225	5	31.2	445	12	US-10-063-591-32	Sequence 32, Appl
153	5	31.2	445	12	US-10-063-735-32	Sequence 32, Appl	226	5	31.2	445	12	US-10-063-592-32	Sequence 32, Appl
154	5	31.2	445	12	US-10-199-672-148	Sequence 148, App	227	5	31.2	445	12	US-10-063-593-32	Sequence 32, Appl
155	5	31.2	445	12	US-10-187-749-148	Sequence 148, App	228	5	31.2	445	12	US-10-063-596-32	Sequence 32, Appl
156	5	31.2	445	12	US-10-194-457-148	Sequence 148, App	229	5	31.2	445	12	US-10-063-600-32	Sequence 32, Appl
157	5	31.2	445	12	US-10-184-642-148	Sequence 148, App	230	5	31.2	445	12	US-10-063-602-32	Sequence 32, Appl
158	5	31.2	445	12	US-10-196-747-148	Sequence 148, App	231	5	31.2	445	12		
159	5	31.2	445	12	US-10-173-689-148	Sequence 148, App	232	5	31.2	445	12		
160	5	31.2	445	12	US-10-173-690-148	Sequence 148, App	233	5	31.2	445	12		
161	5	31.2	445	12	US-10-173-691-148	Sequence 148, App	234	5	31.2	445	12		

673	5	31.2	445	15	US-10-208-021-148	Sequence 148, App	746	5	31.2	445	15	US-10-187-739-148	Sequence 148, App
674	5	31.2	445	15	US-10-208-022-148	Sequence 148, App	747	5	31.2	445	15	US-10-206-907-148	Sequence 148, App
675	5	31.2	445	15	US-10-208-023-148	Sequence 148, App	748	5	31.2	445	15	US-10-183-009-148	Sequence 148, App
676	5	31.2	445	15	US-10-208-026-148	Sequence 148, App	749	5	31.2	445	15	US-10-187-755-148	Sequence 148, App
677	5	31.2	445	15	US-10-208-029-148	Sequence 148, App	750	5	31.2	445	16	US-10-063-588-32	Sequence 32, Appl
678	5	31.2	445	15	US-10-208-030-148	Sequence 148, App	751	5	31.2	516	9	US-09-815-242-10650	Sequence 10650, A
679	5	31.2	445	15	US-10-063-567-32	Sequence 32, Appl	752	5	31.2	569	12	US-10-106-275-2	Sequence 2, Appli
680	5	31.2	445	15	US-10-232-232-148	Sequence 148, App	753	5	31.2	602	12	US-10-195-518-5	Sequence 5, Appli
681	5	31.2	445	15	US-10-195-898-148	Sequence 148, App	754	5	31.2	602	14	US-10-195-158-5	Sequence 5, Appli
682	5	31.2	445	15	US-10-196-759-148	Sequence 148, App	755	5	31.2	603	12	US-10-120-145-6	Sequence 6, Appli
683	5	31.2	445	15	US-10-173-693-148	Sequence 148, App	756	5	31.2	603	15	US-10-161-403-106	Sequence 106, App
684	5	31.2	445	15	US-10-174-578-148	Sequence 148, App	757	5	31.2	604	11	US-09-893-525-37	Sequence 37, Appl
685	5	31.2	445	15	US-10-175-741-148	Sequence 148, App	758	5	31.2	609	9	US-09-935-682-72	Sequence 72, Appl
686	5	31.2	445	15	US-10-175-750-148	Sequence 148, App	759	5	31.2	618	12	US-10-356-088-28	Sequence 28, Appl
687	5	31.2	445	15	US-10-176-986-148	Sequence 148, App	760	5	31.2	653	15	US-10-062-937B-5	Sequence 5, Appli
688	5	31.2	445	15	US-10-184-641-148	Sequence 148, App	761	5	31.2	659	11	US-09-893-525-40	Sequence 40, Appl
689	5	31.2	445	15	US-10-187-888-148	Sequence 148, App	762	5	31.2	711	12	US-10-338-411-23	Sequence 23, Appl
690	5	31.2	445	15	US-10-194-360-148	Sequence 148, App	763	5	31.2	734	9	US-09-894-998-26	Sequence 26, Appl
691	5	31.2	445	15	US-10-194-365-148	Sequence 148, App	764	5	31.2	734	12	US-10-200-562-26	Sequence 26, Appl
692	5	31.2	445	15	US-10-195-895-148	Sequence 148, App	765	5	31.2	734	12	US-10-237-551-26	Sequence 26, Appl
693	5	31.2	445	15	US-10-199-302-148	Sequence 148, App	766	5	31.2	734	15	US-10-121-988-26	Sequence 26, Appl
694	5	31.2	445	15	US-10-201-323-148	Sequence 148, App	767	5	31.2	819	15	US-10-231-035-2	Sequence 2, Appli
695	5	31.2	445	15	US-10-205-510-148	Sequence 148, App	768	5	31.2	850	11	US-09-893-525-42	Sequence 42, Appl
696	5	31.2	445	15	US-10-205-891-148	Sequence 148, App	769	5	31.2	905	9	US-09-728-721-52	Sequence 52, Appl
697	5	31.2	445	15	US-10-206-917-148	Sequence 148, App	770	5	31.2	905	15	US-10-295-981-52	Sequence 52, Appl
698	5	31.2	445	15	US-10-207-923-148	Sequence 148, App	771	5	31.2	1010	9	US-09-118-276-12	Sequence 12, Appl
699	5	31.2	445	15	US-10-207-924-148	Sequence 148, App	772	5	31.2	1019	10	US-09-738-626-6499	Sequence 6499, Ap
700	5	31.2	445	15	US-10-208-028-148	Sequence 148, App	773	5	31.2	1332	12	US-09-840-743-11	Sequence 11, Appl
701	5	31.2	445	15	US-10-063-538-32	Sequence 32, Appl	774	5	31.2	1344	10	US-09-738-626-6888	Sequence 6888, Ap
702	5	31.2	445	15	US-10-205-904-148	Sequence 148, App	775	4	25.0	7	12	US-10-436-826-62	Sequence 62, Appl
703	5	31.2	445	15	US-10-175-753-148	Sequence 148, App	776	4	25.0	8	15	US-10-006-869-1001	Sequence 1001, Ap
704	5	31.2	445	15	US-10-180-553-148	Sequence 148, App	777	4	25.0	8	15	US-10-006-869-1322	Sequence 1322, Ap
705	5	31.2	445	15	US-10-201-327-148	Sequence 148, App	778	4	25.0	8	15	US-10-006-869-1903	Sequence 1903, Ap
706	5	31.2	445	15	US-10-121-062-148	Sequence 148, App	779	4	25.0	8	15	US-10-006-869-3225	Sequence 3225, Ap
707	5	31.2	445	15	US-10-063-599-32	Sequence 32, Appl	780	4	25.0	9	10	US-09-894-018-253	Sequence 253, App
708	5	31.2	445	15	US-10-183-003-148	Sequence 148, App	781	4	25.0	9	12	US-10-360-836-30	Sequence 30, Appl
709	5	31.2	445	15	US-10-183-016-148	Sequence 148, App	782	4	25.0	9	15	US-10-006-869-2885	Sequence 2885, Ap
710	5	31.2	445	15	US-10-173-696-148	Sequence 148, App	783	4	25.0	9	15	US-10-006-869-3226	Sequence 3226, Ap
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ALIGNMENTS

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RESULT 1
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; Sequence 587, Application US/09738973
; Patent No. US20020110563A1
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Fling, Steven P.
; APPLICANT: Mohamath, Raodch
; APPLICANT: Algate, Paul A.
; APPLICANT: Secrist, Heather
; APPLICANT: Indirias, Carol Yoseph
; APPLICANT: Benson, Darin R.
; APPLICANT: Elliot, Mark
; APPLICANT: Mannion, Jane
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND
; TITLE OF INVENTION: THE THERAPY AND
; FILE REFERENCE: 210121.475C9
; CURRENT APPLICATION NUMBER: US/09/738
; CURRENT FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 587
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; SEQ ID NO 587
; LENGTH: 16
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; ORGANISM: Homo sapiens
US-09-738-973-587

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Query Match 100.0%; Score 16; DB 10; Length 16;
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; Publication No. US20020183499A1
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; APPLICANT: Lodes, Michael J.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Henderson, Robert A.
; APPLICANT: Benson, Darin R.
; APPLICANT: Secrist, Heather
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C10
; CURRENT APPLICATION NUMBER: US/09/854,133
; CURRENT FILING DATE: 2001-05-11
; NUMBER OF SEQ ID NOS: 735
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US-09-854-133-587

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US-09-738-973-586


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; Sequence 586, Application US/09738973
; Patent No. US20020110563A1
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Fling, Steven P.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Algate, Paul A.
; APPLICANT: Secrist, Heather
; APPLICANT: Indirias, Carol Yoseph
; APPLICANT: Benson, Darin R.
; APPLICANT: Elliot, Mark
; APPLICANT: Mannion, Jane
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C9
; CURRENT APPLICATION NUMBER: US/09/738,973
; CURRENT FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 587
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 586
; LENGTH: 97
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-738-973-586
```

```
Query Match 100.0%; Score 16; DB 10; Length 97;
Best Local Similarity 100.0%; Pred. No. 1.5e-10;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 FQANCGIDFIIFWIFW 16
| | | | | | | | | | | | | | | |
Db 35 FQANCGIDFIIFWIFW 50
```

```
RESULT 5
US-09-854-133-586
; Sequence 586, Application US/09854133
; Publication No. US20020183499A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Henderson, Robert A.
; APPLICANT: Benson, Darin R.
; APPLICANT: Secrist, Heather
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C10
; CURRENT APPLICATION NUMBER: US/09/854,133
; CURRENT FILING DATE: 2001-05-11
; NUMBER OF SEQ ID NOS: 735
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 586
; LENGTH: 97
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-854-133-586
```

```
Query Match 100.0%; Score 16; DB 10; Length 97;
Best Local Similarity 100.0%; Pred. No. 1.5e-10;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 FQANCGIDFIIFWIFW 16
| | | | | | | | | | | | | | | |
Db 35 FQANCGIDFIIFWIFW 50
```

```
RESULT 6
US-10-144-649A-586
; Sequence 586, Application US/10144649A
; Publication No. US20030118599A1
```

```
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Algate, Paul A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C11
; CURRENT APPLICATION NUMBER: US/10/144,649A
; CURRENT FILING DATE: 2002-08-21
; NUMBER OF SEQ ID NOS: 749
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 586
; LENGTH: 97
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-144-649A-586
```

```
Query Match 100.0%; Score 16; DB 15; Length 97;
Best Local Similarity 100.0%; Pred. No. 1.5e-10;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 FQANCGIDFIIFWIFW 16
| | | | | | | | | | | | | | | |
Db 35 FQANCGIDFIIFWIFW 50
```

```
RESULT 7
US-10-144-649A-742
; Sequence 742, Application US/10144649A
; Publication No. US20030118599A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Algate, Paul A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C11
; CURRENT APPLICATION NUMBER: US/10/144,649A
; CURRENT FILING DATE: 2002-08-21
; NUMBER OF SEQ ID NOS: 749
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 742
; LENGTH: 114
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-144-649A-742
```

```
Query Match 100.0%; Score 16; DB 15; Length 114;
Best Local Similarity 100.0%; Pred. No. 1.7e-10;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 FQANCGIDFIIFWIFW 16
| | | | | | | | | | | | | | | |
Db 52 FQANCGIDFIIFWIFW 67
```

```
RESULT 8
US-10-315-515-39
; Sequence 39, Application US/10315515
; Publication No. US20030166190A1
; GENERAL INFORMATION:
; APPLICANT: Wright, David A.
; APPLICANT: Voytas, Daniel F.
; TITLE OF INVENTION: NUCLEIC ACIDS RELATED TO PLANT
; TITLE OF INVENTION: RETROELEMENTS
; FILE REFERENCE: 08411-031001
; CURRENT APPLICATION NUMBER: US/10/315,515
; CURRENT FILING DATE: 2002-12-10
; PRIOR APPLICATION NUMBER: US 60/339,060
```

```
; PRIOR FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 168
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 39
; LENGTH: 90
; TYPE: PRT
; ORGANISM: Glycine max
US-10-315-515-39

Query Match      37.5%; Score 6; DB 12; Length 90;
Best Local Similarity 100.0%; Pred. No. 10;
Matches      6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      5 CGIDFI 10
Db      75 CGIDFI 80

RESULT 9
US-10-315-515-44
; Sequence 44, Application US/10315515
; Publication No. US20030166190A1
; GENERAL INFORMATION:
; APPLICANT: Wright, David A.
; APPLICANT: Voytas, Daniel F.
; TITLE OF INVENTION: NUCLEIC ACIDS RELATED TO PLANT
; FILE REFERENCE: 08411-031001
; CURRENT APPLICATION NUMBER: US/10/315,515
; CURRENT FILING DATE: 2002-12-10
; PRIOR APPLICATION NUMBER: US 60/339,060
; PRIOR FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 168
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 44
; LENGTH: 90
; TYPE: PRT
; ORGANISM: Oryza sativa
US-10-315-515-44

Query Match      37.5%; Score 6; DB 12; Length 90;
Best Local Similarity 100.0%; Pred. No. 10;
Matches      6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      5 CGIDFI 10
Db      75 CGIDFI 80

RESULT 10
US-10-315-515-35
; Sequence 35, Application US/10315515
; Publication No. US20030166190A1
; GENERAL INFORMATION:
; APPLICANT: Wright, David A.
; APPLICANT: Voytas, Daniel F.
; TITLE OF INVENTION: NUCLEIC ACIDS RELATED TO PLANT
; FILE REFERENCE: 08411-031001
; CURRENT APPLICATION NUMBER: US/10/315,515
; CURRENT FILING DATE: 2002-12-10
; PRIOR APPLICATION NUMBER: US 60/339,060
; PRIOR FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 168
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 35
; LENGTH: 95
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-10-315-515-35

Query Match      37.5%; Score 6; DB 12; Length 95;
Best Local Similarity 100.0%; Pred. No. 11;
Matches      6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      5 CGIDFI 10
Db      75 CGIDFI 80

RESULT 11
US-10-315-515-34
; Sequence 34, Application US/10315515
; Publication No. US20030166190A1
; GENERAL INFORMATION:
; APPLICANT: Wright, David A.
; APPLICANT: Voytas, Daniel F.
; TITLE OF INVENTION: NUCLEIC ACIDS RELATED TO PLANT
; FILE REFERENCE: 08411-031001
; CURRENT APPLICATION NUMBER: US/10/315,515
; CURRENT FILING DATE: 2002-12-10
; PRIOR APPLICATION NUMBER: US 60/339,060
; PRIOR FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 168
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 34
; LENGTH: 96
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-10-315-515-34

Query Match      37.5%; Score 6; DB 12; Length 96;
Best Local Similarity 100.0%; Pred. No. 11;
Matches      6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      5 CGIDFI 10
Db      81 CGIDFI 86

RESULT 12
US-10-315-515-36
; Sequence 36, Application US/10315515
; Publication No. US20030166190A1
; GENERAL INFORMATION:
; APPLICANT: Wright, David A.
; APPLICANT: Voytas, Daniel F.
; TITLE OF INVENTION: NUCLEIC ACIDS RELATED TO PLANT
; FILE REFERENCE: 08411-031001
; CURRENT APPLICATION NUMBER: US/10/315,515
; CURRENT FILING DATE: 2002-12-10
; PRIOR APPLICATION NUMBER: US 60/339,060
; PRIOR FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 168
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 36
; LENGTH: 96
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-10-315-515-36

Query Match      37.5%; Score 6; DB 12; Length 96;
Best Local Similarity 100.0%; Pred. No. 11;
Matches      6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      5 CGIDFI 10
Db      81 CGIDFI 86

RESULT 13
US-10-315-515-37
; Sequence 37, Application US/10315515
; Publication No. US20030166190A1
```

```
; GENERAL INFORMATION:
; APPLICANT: Wright, David A.
; APPLICANT: Voytas, Daniel F.
; TITLE OF INVENTION: NUCLEIC ACIDS RELATED TO PLANT
; TITLE OF INVENTION: RETROELEMENTS
; FILE REFERENCE: 08411-031001
; CURRENT APPLICATION NUMBER: US/10/315,515
; CURRENT FILING DATE: 2002-12-10
; PRIOR APPLICATION NUMBER: US 60/339,060
; PRIOR FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 168
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 37
; LENGTH: 96
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-10-315-515-37

Query Match
Best Local Similarity 37.5%; Score 6; DB 12; Length 96;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 5 CGIDFI 10
Db 81 CGIDFI 86

RESULT 14
US-10-315-515-40
; Sequence 40, Application US/10315515
; Publication No. US20030166190A1
; GENERAL INFORMATION:
; APPLICANT: Wright, David A.
; APPLICANT: Voytas, Daniel F.
; TITLE OF INVENTION: NUCLEIC ACIDS RELATED TO PLANT
; TITLE OF INVENTION: RETROELEMENTS
; FILE REFERENCE: 08411-031001
; CURRENT APPLICATION NUMBER: US/10/315,515
; CURRENT FILING DATE: 2002-12-10
; PRIOR APPLICATION NUMBER: US 60/339,060
; PRIOR FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 168
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 40
; LENGTH: 96
; TYPE: PRT
; ORGANISM: Glycine max
US-10-315-515-40

Query Match
Best Local Similarity 37.5%; Score 6; DB 12; Length 96;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 5 CGIDFI 10
Db 81 CGIDFI 86

RESULT 15
US-10-315-515-41
; Sequence 41, Application US/10315515
; Publication No. US20030166190A1
; GENERAL INFORMATION:
; APPLICANT: Wright, David A.
; APPLICANT: Voytas, Daniel F.
; TITLE OF INVENTION: NUCLEIC ACIDS RELATED TO PLANT
; TITLE OF INVENTION: RETROELEMENTS
; FILE REFERENCE: 08411-031001
; CURRENT APPLICATION NUMBER: US/10/315,515
; CURRENT FILING DATE: 2002-12-10
; PRIOR APPLICATION NUMBER: US 60/339,060
; PRIOR FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 168
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 41
; LENGTH: 96
; TYPE: PRT
; ORGANISM: Glycine max
US-10-315-515-41

Query Match
Best Local Similarity 37.5%; Score 6; DB 12; Length 96;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 5 CGIDFI 10
Db 81 CGIDFI 86

RESULT 16
US-10-315-515-42
; Sequence 42, Application US/10315515
; Publication No. US20030166190A1
; GENERAL INFORMATION:
; APPLICANT: Wright, David A.
; APPLICANT: Voytas, Daniel F.
; TITLE OF INVENTION: NUCLEIC ACIDS RELATED TO PLANT
; TITLE OF INVENTION: RETROELEMENTS
; FILE REFERENCE: 08411-031001
; CURRENT APPLICATION NUMBER: US/10/315,515
; CURRENT FILING DATE: 2002-12-10
; PRIOR APPLICATION NUMBER: US 60/339,060
; PRIOR FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 168
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 42
; LENGTH: 96
; TYPE: PRT
; ORGANISM: Glycine max
US-10-315-515-42

Query Match
Best Local Similarity 37.5%; Score 6; DB 12; Length 96;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 5 CGIDFI 10
Db 81 CGIDFI 86

RESULT 17
US-10-315-515-43
; Sequence 43, Application US/10315515
; Publication No. US20030166190A1
; GENERAL INFORMATION:
; APPLICANT: Wright, David A.
; APPLICANT: Voytas, Daniel F.
; TITLE OF INVENTION: NUCLEIC ACIDS RELATED TO PLANT
; TITLE OF INVENTION: RETROELEMENTS
; FILE REFERENCE: 08411-031001
; CURRENT APPLICATION NUMBER: US/10/315,515
; CURRENT FILING DATE: 2002-12-10
; PRIOR APPLICATION NUMBER: US 60/339,060
; PRIOR FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 168
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 43
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Pisum sativum
US-10-315-515-43

Query Match
Best Local Similarity 37.5%; Score 6; DB 12; Length 105;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

Qy	5	CGIDFI	10
D _b	90	CGIDFI	95

RESULT 18

US-10-315-515-38
; Sequence 38, Application US/10315515
; Publication No. US20030166190A1

```

; ORIGINATOR:
; APPLICANT: Wright, David A.
; APPLICANT: Voytas, Daniel F.
; TITLE OF INVENTION: NUCLEIC ACIDS RELATED TO PLANT
; TITLE OF INVENTION: RETROELEMENTS
; FILE REFERENCE: 08411-031001
; CURRENT APPLICATION NUMBER: US/10/315,515
; CURRENT FILING DATE: 2002-12-10
; PRIOR APPLICATION NUMBER: US 60/339,060
; PRIOR FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 168
; SOFTWARE: FastSeq for Windows Version 4.0

```

```
Query Match      37.5%; Score 6; DB 12; Length 106;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

Qy	5	CGIDFI	10
Db	91	CGIDFI	96

RESULT 19

US-09-820-843A-43
; Sequence 43, Application US/09820843A
; Publication No. US20030039963A1

; GENERAL INFORMATION:
 ; APPLICANT: Council of Scientific and Industrial Research
 ; TITLE OF INVENTION: A COMPUTATIONAL METHOD FOR THE IDENTIFICATION OF CANDIDATE PROTEIN
 ; TITLE OF INVENTION: USEFUL AS ANTI-INFECTIVES
 ; FILE REFERENCE: Q63915
 ; CURRENT APPLICATION NUMBER: US/09/820,843A
 ; CURRENT FILING DATE: 2001-03-30

```
; NAME/KEY: misc_feature
;
; OTHER INFORMATION: hypothetical protein Cj0344
```

```

Query Match      31.2%; Score 5; DB 11; Length 41;
Best Local Similarity 100.0%; Pred. No. 66;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

Qy	8	D F I I F	12
D _b	10	D F I I F	14

RESULT 20

US-09-864-761-39223 ; Sequence 39223, Application US/09864761
; Patent No. US20020048763A1

[illegible]

Query Match 31.2%; Score 5; DB 9; Length 44;
Best Local Similarity 100.0%; Pred. No. 70;
Matches 5: Conservative 0; Mismatches 0; Indels

03 6 1967 10

QY	6	9	10
QY	GIDFI	GIDFI	GIDFI
Db	9	9	13

RESULT 21
US-09-764-887-221
; Sequence 221, Application US/09764887
; Patent No. US20020042096A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PAl13
; CURRENT APPLICATION NUMBER: US/09/764,887
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 658
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 221
; LENGTH: 67
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (8)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (18)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-764-887-221

Query Match 31.2%; Score 5; DB 9; Length 67;
Best Local Similarity 100.0%; Pred. No. 99;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 DFIIF 12
| | | | |
Db 32 DFIIF 36

RESULT 22
US-10-073-961-221
; Sequence 221, Application US/10073961
; Publication No. US20030077602A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PAl13C1
; CURRENT APPLICATION NUMBER: US/10/073,961
; CURRENT FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: 09/764,887
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 60/179,065
; PRIOR FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: 60/180,628
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: 60/214,886
; PRIOR FILING DATE: 2000-06-28
; PRIOR APPLICATION NUMBER: 60/217,487
; PRIOR FILING DATE: 2000-07-11
; PRIOR APPLICATION NUMBER: 60/225,758
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/220,963
; PRIOR FILING DATE: 2000-07-26
; PRIOR APPLICATION NUMBER: 60/217,496
; PRIOR FILING DATE: 2000-07-11
; PRIOR APPLICATION NUMBER: 60/225,447
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/218,290
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: 60/225,757
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/226,868
; PRIOR FILING DATE: 2000-08-22
; PRIOR APPLICATION NUMBER: 60/216,647
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/225,267

; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/216,880
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/225,270
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/251,869
; PRIOR FILING DATE: 2000-12-08
; PRIOR APPLICATION NUMBER: 60/235,834
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: 60/234,274
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: 60/234,223
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: 60/228,924
; PRIOR FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/224,518
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/236,369
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: 60/224,519
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/220,964
; PRIOR FILING DATE: 2000-07-26
; PRIOR APPLICATION NUMBER: 60/241,809
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/249,299
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/236,327
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: 60/241,785
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/244,617
; PRIOR FILING DATE: 2000-11-01
; PRIOR APPLICATION NUMBER: 60/225,268
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/236,368
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: 60/251,856
; PRIOR FILING DATE: 2000-12-08
; PRIOR APPLICATION NUMBER: 60/251,868
; PRIOR FILING DATE: 2000-12-08
; PRIOR APPLICATION NUMBER: 60/229,344
; PRIOR FILING DATE: 2000-09-01
; PRIOR APPLICATION NUMBER: 60/234,997
; PRIOR FILING DATE: 2000-09-25
; PRIOR APPLICATION NUMBER: 60/229,343
; PRIOR FILING DATE: 2000-09-01
; PRIOR APPLICATION NUMBER: 60/229,345
; PRIOR FILING DATE: 2000-09-01
; PRIOR APPLICATION NUMBER: 60/229,287
; PRIOR FILING DATE: 2000-09-01
; PRIOR APPLICATION NUMBER: 60/229,513
; PRIOR FILING DATE: 2000-09-05
; PRIOR APPLICATION NUMBER: 60/231,413
; PRIOR FILING DATE: 2000-09-08
; PRIOR APPLICATION NUMBER: 60/229,509
; PRIOR FILING DATE: 2000-09-05
; PRIOR APPLICATION NUMBER: 60/236,367
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: 60/237,039
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: 60/237,038
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: 60/236,370
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: 60/236,802
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: 60/237,037
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: 60/237,040
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: 60/240,960
; PRIOR FILING DATE: 2000-10-20

; PRIOR APPLICATION NUMBER: 60/239,935
; PRIOR FILING DATE: 2000-10-13
; PRIOR APPLICATION NUMBER: 60/239,937
; PRIOR FILING DATE: 2000-10-13
; PRIOR APPLICATION NUMBER: 60/241,787
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/246,474
; PRIOR FILING DATE: 2000-11-08
; PRIOR APPLICATION NUMBER: 60/246,532
; PRIOR FILING DATE: 2000-11-08
; PRIOR APPLICATION NUMBER: 60/249,216
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,210
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/226,681
; PRIOR FILING DATE: 2000-08-22
; PRIOR APPLICATION NUMBER: 60/225,759
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/225,213
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/227,182
; PRIOR FILING DATE: 2000-08-22
; PRIOR APPLICATION NUMBER: 60/225,214
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/235,836
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: 60/230,438
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/215,135
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: 60/225,266
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/249,218
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,208
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,213
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,212
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,207
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,245
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,244
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,217
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,211
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,215
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,264
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,214
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,297
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/232,400
; PRIOR FILING DATE: 2000-09-14
; PRIOR APPLICATION NUMBER: 60/231,242
; PRIOR FILING DATE: 2000-09-08
; PRIOR APPLICATION NUMBER: 60/232,081
; PRIOR FILING DATE: 2000-09-08
; PRIOR APPLICATION NUMBER: 60/232,080
; PRIOR FILING DATE: 2000-09-08
; PRIOR APPLICATION NUMBER: 60/231,414
; PRIOR FILING DATE: 2000-09-08
; PRIOR APPLICATION NUMBER: 60/231,244
; PRIOR FILING DATE: 2000-09-08
; PRIOR APPLICATION NUMBER: 60/233,064
; PRIOR FILING DATE: 2000-09-14
; PRIOR APPLICATION NUMBER: 60/233,063

; PRIOR FILING DATE: 2000-09-14
; PRIOR APPLICATION NUMBER: 60/232,397
; PRIOR FILING DATE: 2000-09-14
; PRIOR APPLICATION NUMBER: 60/232,399
; PRIOR FILING DATE: 2000-09-14
; PRIOR APPLICATION NUMBER: 60/232,401
; PRIOR FILING DATE: 2000-09-14
; PRIOR APPLICATION NUMBER: 60/241,808
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/241,826
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/241,786
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/241,221
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/246,475
; PRIOR FILING DATE: 2000-11-08
; PRIOR APPLICATION NUMBER: 60/231,243
; PRIOR FILING DATE: 2000-09-08

Query Match 31.2%; Score 5; DB 15; Length 67;
Best Local Similarity 100.0%; Pred. No. 99;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 DFIIF 12
|||
Db 32 DFIIF 36

RESULT 23

US-10-102-806-693
; Sequence 693, Application US/10102806
; Publication No. US20030054421A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA103P1C1
; CURRENT APPLICATION NUMBER: US/10/102,806
; CURRENT FILING DATE: 2002-03-22
; PRIOR APPLICATION NUMBER: 09/925,298
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05881
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 846
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 693
; LENGTH: 68
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-102-806-693

Query Match 31.2%; Score 5; DB 15; Length 68;
Best Local Similarity 100.0%; Pred. No. 1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 DFIIF 12
|||
Db 47 DFIIF 51

RESULT 24

US-09-764-891-3247
; Sequence 3247, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC006
; CURRENT APPLICATION NUMBER: US/09/764,891
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper

```

; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3247
; LENGTH: 82
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (70)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-764-891-3247

Query Match          31.2%; Score 5; DB 11; Length 82;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2 QANCG 6
Db      6 QANCG 10

RESULT 25
US-10-434-588-43
; Sequence 43, Application US/10434588
; Publication No. US20030171557A1
; GENERAL INFORMATION:
; APPLICANT: Nezu, Jun-Ichi
; APPLICANT: Oku, Asuka
; TITLE OF INVENTION: NOVEL SERINE-THREONINE KINASE GENE
; FILE REFERENCE: 06501-033002
; CURRENT APPLICATION NUMBER: US/10/434,588
; CURRENT FILING DATE: 2003-05-09
; PRIOR APPLICATION NUMBER: US/09/563,997
; PRIOR FILING DATE: 2000-05-03
; PRIOR APPLICATION NUMBER: PCT/JP97/04855
; PRIOR FILING DATE: 1997-12-25
; PRIOR APPLICATION NUMBER: JP 8-357864
; PRIOR FILING DATE: 1996-12-27
; NUMBER OF SEQ ID NOS: 48
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 43
; LENGTH: 82
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetically generated peptide
US-10-434-588-43

Query Match          31.2%; Score 5; DB 12; Length 82;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      12 FWIFW 16
Db      51 FWIFW 55

RESULT 26
US-10-315-515-46
; Sequence 46, Application US/10315515
; Publication No. US20030166190A1
; GENERAL INFORMATION:
; APPLICANT: Wright, David A.
; APPLICANT: Voytas, Daniel F.
; TITLE OF INVENTION: NUCLEIC ACIDS RELATED TO PLANT
; RETROELEMENTS
; FILE REFERENCE: 08411-031001
; CURRENT APPLICATION NUMBER: US/10/315,515
; CURRENT FILING DATE: 2002-12-10
; PRIOR APPLICATION NUMBER: US 60/339,060
; PRIOR FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 168
; SOFTWARE: FastSEQ for Windows Version 4.0
```

```

; SEQ ID NO 46
; LENGTH: 93
; TYPE: PRT
; ORGANISM: Glycine max
US-10-315-515-46

Query Match          31.2%; Score 5; DB 12; Length 93;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      5 CGIDF 9
Db      81 CGIDF 85

RESULT 27
US-09-764-891-3077
; Sequence 3077, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC006
; CURRENT APPLICATION NUMBER: US/09/764,891
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3077
; LENGTH: 104
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-764-891-3077

Query Match          31.2%; Score 5; DB 11; Length 104;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      7 IDFII 11
Db      31 IDFII 35

RESULT 28
US-10-047-676A-17
; Sequence 17, Application US/10047676A
; Publication No. US20020123105A1
; GENERAL INFORMATION:
; APPLICANT: Qi, Fengxia
; APPLICANT: Caulfield, Page W.
; APPLICANT: Chen, Ping W.
; TITLE OF INVENTION: MUTACIN I BIOSYNTHESIS GENES AND PROTEINS
; FILE REFERENCE: UAB-17403/22
; CURRENT APPLICATION NUMBER: US/10/047,676A
; CURRENT FILING DATE: 2002-03-21
; PRIOR APPLICATION NUMBER: US 09/627,376
; PRIOR FILING DATE: 2000-07-28
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 17
; LENGTH: 118
; TYPE: PRT
; ORGANISM: Streptococcus mutans
US-10-047-676A-17

Query Match          31.2%; Score 5; DB 14; Length 118;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      11 IFWIF 15
Db      14 IFWIF 18
```

RESULT 29
US-09-738-626-4531
; Sequence 4531, Application US/09738626
; Publication No. US20020197605A1
; GENERAL INFORMATION:
; APPLICANT: NAKAGAWA, SATOSHI
; APPLICANT: MIZOGUCHI, HIROSHI
; APPLICANT: ANDO, SEIKO
; APPLICANT: HAYASHI, MIKIRO
; APPLICANT: OCHIAI, KEIKO
; APPLICANT: YOKOI, HARUHIKO
; APPLICANT: TATEISHI, NAKO
; APPLICANT: SENO, AKIHIRO
; APPLICANT: IKEDA, MASATO
; APPLICANT: OZAKI, AKIO
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-125
; CURRENT APPLICATION NUMBER: US/09/738,626
; CURRENT FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: JP 99/377484
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: JP 00/159162
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: JP 00/280988
; PRIOR FILING DATE: 2000-08-03
; NUMBER OF SEQ ID NOS: 7059
; SOFTWARE: PatentIn ver. 3.0
; SEQ ID NO 4531
; LENGTH: 166
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-09-738-626-4531

Query Match 31.2%; Score 5; DB 10; Length 166;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 GIDFI 10
|
|
|
|
Db 141 GIDFI 145

RESULT 30
US-09-746-660A-94
; Sequence 94, Application US/09746660A
; Publication No. US20030049804A1
; GENERAL INFORMATION:
; APPLICANT: Pompejus, Markus
; APPLICANT: Kroger, Burkhard
; APPLICANT: Schroder, Hartwig
; APPLICANT: Zelder, Oskar
; APPLICANT: Haberhauer, Gregor
; APPLICANT: Kim, Jun-Won
; APPLICANT: Lee, Heung-Schick
; APPLICANT: Hwang, Byung-Joon
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING
; TITLE OF INVENTION: METABOLIC PATHWAY PROTEINS
; FILE REFERENCE: BGI-121CP2
; CURRENT APPLICATION NUMBER: US/09/746,660A
; CURRENT FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 09/606740
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: 09/603124
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: 60/141031
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 60/142101
; PRIOR FILING DATE: 1999-07-02
; PRIOR APPLICATION NUMBER: 60/148613
; PRIOR FILING DATE: 1999-08-12
; PRIOR APPLICATION NUMBER: 60/187970
; PRIOR FILING DATE: 2000-03-09

; PRIOR APPLICATION NUMBER: DE 19931420.9
; PRIOR FILING DATE: 1999-07-08
; NUMBER OF SEQ ID NOS: 125
; SOFTWARE: PatentIn Vers. 2.0
; SEQ ID NO 94
; LENGTH: 166
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-09-746-660A-94

Query Match 31.2%; Score 5; DB 11; Length 166;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 GIDFI 10
|
|
|
|
Db 141 GIDFI 145

RESULT 31
US-09-746-660A-96
; Sequence 96, Application US/09746660A
; Publication No. US20030049804A1
; GENERAL INFORMATION:
; APPLICANT: Pompejus, Markus
; APPLICANT: Kroger, Burkhard
; APPLICANT: Schroder, Hartwig
; APPLICANT: Zelder, Oskar
; APPLICANT: Haberhauer, Gregor
; APPLICANT: Kim, Jun-Won
; APPLICANT: Lee, Heung-Schick
; APPLICANT: Hwang, Byung-Joon
; TITLE OF INVENTION: CORYNEBACTERIUM GLUTAMICUM GENES ENCODING
; TITLE OF INVENTION: METABOLIC PATHWAY PROTEINS
; FILE REFERENCE: BGI-121CP2
; CURRENT APPLICATION NUMBER: US/09/746,660A
; CURRENT FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 09/606740
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: 09/603124
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: 60/141031
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 60/142101
; PRIOR FILING DATE: 1999-07-02
; PRIOR APPLICATION NUMBER: 60/148613
; PRIOR FILING DATE: 1999-08-12
; PRIOR APPLICATION NUMBER: 60/187970
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: DE 19931420.9
; PRIOR FILING DATE: 1999-07-08
; NUMBER OF SEQ ID NOS: 125
; SOFTWARE: PatentIn Vers. 2.0
; SEQ ID NO 96
; LENGTH: 166
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-09-746-660A-96

Query Match 31.2%; Score 5; DB 11; Length 166;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 GIDFI 10
|
|
|
|
Db 141 GIDFI 145

RESULT 32
US-09-791-279-200
; Sequence 200, Application US/09791279
; Publication No. US20030050456A1
; GENERAL INFORMATION:


```
; APPLICANT: Vogeli, Gabriel
; APPLICANT: Wood, Linda S.
; APPLICANT: Parodi, Luis
; APPLICANT: Lind, Peter
; TITLE OF INVENTION: No. US20030050456A1el G Protein-Coupled Receptors
; FILE REFERENCE: 00048.US1
; CURRENT APPLICATION NUMBER: US/09/791,279
; CURRENT FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/184,715
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 60/184725
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 60/184,712
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 60/184,606
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 60/184,602
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 60/184,604
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 60/184,822
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 60/184,710
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 60/184,689
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 60/184,690
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: 60/184,716
; PRIOR FILING DATE: 2000-02-24
; NUMBER OF SEQ ID NOS: 220
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 200
; LENGTH: 198
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-791-279-200
```

```
Query Match 31.2%; Score 5; DB 11; Length 198;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 9 FIIFW 13
Db 119 FIIFW 123
```

```
RESULT 33
US-10-183-116-107
; Sequence 107, Application US/10183116
; Publication No. US20030092035A1
; GENERAL INFORMATION:
; APPLICANT: Anderson, David J.
; APPLICANT: Dong, Xinzhong
; APPLICANT: Zylka, Mark
; APPLICANT: Simon, Melvin
; APPLICANT: Han, Sang-kyou
; TITLE OF INVENTION: PAIN SIGNALING MOLECULES
; FILE REFERENCE: CALTE.4C1CP1
; CURRENT APPLICATION NUMBER: US/10/183,116
; CURRENT FILING DATE: 2002-06-26
; PRIOR APPLICATION NUMBER: US 60/222,344
; PRIOR FILING DATE: 2000-08-01
; PRIOR APPLICATION NUMBER: US 60/202,027
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: US 09/704,707
; PRIOR FILING DATE: 2000-11-03
; PRIOR APPLICATION NUMBER: US 60/285,493
; PRIOR FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/849,869
; PRIOR FILING DATE: 2001-05-04
; NUMBER OF SEQ ID NOS: 109
; SOFTWARE: FastSEQ for Windows Version 4.0
```

```
; SEQ ID NO 107
; LENGTH: 198
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-183-116-107
```

```
Query Match 31.2%; Score 5; DB 15; Length 198;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 7 IDFII 11
Db 145 IDFII 149
```

```
RESULT 34
US-10-183-116-103
; Sequence 103, Application US/10183116
; Publication No. US20030092035A1
; GENERAL INFORMATION:
; APPLICANT: Anderson, David J.
; APPLICANT: Dong, Xinzhong
; APPLICANT: Zylka, Mark
; APPLICANT: Simon, Melvin
; APPLICANT: Han, Sang-kyou
; TITLE OF INVENTION: PAIN SIGNALING MOLECULES
; FILE REFERENCE: CALTE.4C1CP1
; CURRENT APPLICATION NUMBER: US/10/183,116
; CURRENT FILING DATE: 2002-06-26
; PRIOR APPLICATION NUMBER: US 60/222,344
; PRIOR FILING DATE: 2000-08-01
; PRIOR APPLICATION NUMBER: US 60/202,027
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: US 09/704,707
; PRIOR FILING DATE: 2000-11-03
; PRIOR APPLICATION NUMBER: US 60/285,493
; PRIOR FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/849,869
; PRIOR FILING DATE: 2001-05-04
; NUMBER OF SEQ ID NOS: 109
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 103
; LENGTH: 206
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-183-116-103
```

```
Query Match 31.2%; Score 5; DB 15; Length 206;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 7 IDFII 11
Db 104 IDFII 108
```

```
RESULT 35
US-10-183-116-101
; Sequence 101, Application US/10183116
; Publication No. US20030092035A1
; GENERAL INFORMATION:
; APPLICANT: Anderson, David J.
; APPLICANT: Dong, Xinzhong
; APPLICANT: Zylka, Mark
; APPLICANT: Simon, Melvin
; APPLICANT: Han, Sang-kyou
; TITLE OF INVENTION: PAIN SIGNALING MOLECULES
; FILE REFERENCE: CALTE.4C1CP1
; CURRENT APPLICATION NUMBER: US/10/183,116
; CURRENT FILING DATE: 2002-06-26
; PRIOR APPLICATION NUMBER: US 60/222,344
; PRIOR FILING DATE: 2000-08-01
; PRIOR APPLICATION NUMBER: US 60/202,027
```

; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: US 09/704,707
; PRIOR FILING DATE: 2000-11-03
; PRIOR APPLICATION NUMBER: US 60/285,493
; PRIOR FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/849,869
; PRIOR FILING DATE: 2001-05-04
; NUMBER OF SEQ ID NOS: 109
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 101
; LENGTH: 207
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-183-116-101

Query Match 31.2%; Score 5; DB 15; Length 207;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 IDFII 11
Db 144 IDFII 148

RESULT 36
US-09-728-721-65
; Sequence 65, Application US/09728721
; Patent No. US20020061845A1
; GENERAL INFORMATION:
; APPLICANT: Bertin, John
; TITLE OF INVENTION: NOVEL MOLECULES OF THE CARD-RELATED PROTEIN FAMILY AND USES THERE
; FILE REFERENCE: 07334-124001
; CURRENT APPLICATION NUMBER: US/09/728,721
; CURRENT FILING DATE: 2000-12-01
; PRIOR APPLICATION NUMBER: 09/340,620
; PRIOR FILING DATE: 1999-06-28
; PRIOR APPLICATION NUMBER: US 09/207,359
; PRIOR FILING DATE: 1998-12-08
; PRIOR APPLICATION NUMBER: US 09/099,041
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: US 09/019,942
; PRIOR FILING DATE: 1998-02-06
; NUMBER OF SEQ ID NOS: 71
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 65
; LENGTH: 208
; TYPE: PRT
; ORGANISM: Rattus rattus
US-09-728-721-65

Query Match 31.2%; Score 5; DB 9; Length 208;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FQANC 5
Db 64 FQANC 68

RESULT 37
US-10-436-826-69
; Sequence 69, Application US/10436826
; Publication No. US20030187224A1
; GENERAL INFORMATION:
; APPLICANT: Boyle, William J.
; APPLICANT: Wooden, Scott
; TITLE OF INVENTION: Chimeric OPG Polypeptides
; FILE REFERENCE: 06843.0034-01000
; CURRENT APPLICATION NUMBER: US/10/436,826
; CURRENT FILING DATE: 2003-05-12
; PRIOR APPLICATION NUMBER: 08/850,188
; PRIOR FILING DATE: 1997-05-01
; NUMBER OF SEQ ID NOS: 88

; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 69
; LENGTH: 208
; TYPE: PRT
; ORGANISM: Rattus rattus
US-10-436-826-69

Query Match 31.2%; Score 5; DB 12; Length 208;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 NCGID 8
Db 1 NCGID 5

RESULT 38
US-10-295-981-65
; Sequence 65, Application US/10295981
; Publication No. US20030120055A1
; GENERAL INFORMATION:
; APPLICANT: Bertin, John
; TITLE OF INVENTION: NOVEL MOLECULES OF THE CARD-RELATED PROTEIN FAMILY AND USES THE
; FILE REFERENCE: 07334-124001
; CURRENT APPLICATION NUMBER: US/10/295,981
; CURRENT FILING DATE: 2002-11-15
; PRIOR APPLICATION NUMBER: US/09/340,620
; PRIOR FILING DATE: 1999-06-28
; PRIOR APPLICATION NUMBER: US 09/245,281
; PRIOR FILING DATE: 1999-02-05
; PRIOR APPLICATION NUMBER: US 09/207,359
; PRIOR FILING DATE: 1998-12-08
; PRIOR APPLICATION NUMBER: US 09/099,041
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: US 09/019,942
; PRIOR FILING DATE: 1998-02-06
; NUMBER OF SEQ ID NOS: 71
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 65
; LENGTH: 208
; TYPE: PRT
; ORGANISM: Rattus rattus
US-10-295-981-65

Query Match 31.2%; Score 5; DB 15; Length 208;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FQANC 5
Db 64 FQANC 68

RESULT 39
US-09-747-155-47
; Sequence 47, Application US/09747155
; Patent No. US20020151692A1
; GENERAL INFORMATION:
; APPLICANT: Rouquier, Sylvie
; APPLICANT: Giorgi, Dominique
; TITLE OF INVENTION: No. US20020151692A1 Polypeptides and Nucleic Acids Encoding S
; FILE REFERENCE: 19904-008 (C009B6834US)
; CURRENT APPLICATION NUMBER: US/09/747,155
; CURRENT FILING DATE: 2000-12-21
; PRIOR APPLICATION NUMBER: 60/171,746
; PRIOR FILING DATE: 1999-12-22
; NUMBER OF SEQ ID NOS: 431
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 47
; LENGTH: 216
; TYPE: PRT
; ORGANISM: Gorilla gorilla
; FEATURE:

; NAME/KEY: misc_feature
; LOCATION: (1)..(649)
; OTHER INFORMATION: Taxon = 9593; gene = GGO19; Accession DDBJ/EMBL/GenBank = AF12784
US-09-747-155-47

Query Match 31.2%; Score 5; DB 10; Length 216;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 FIIFW 13
Db 83 FIIFW 87

RESULT 40
US-09-747-155-51
; Sequence 51, Application US/09747155
; Patent No. US20020151692A1
; GENERAL INFORMATION:
; APPLICANT: Rouquier, Sylvie
; APPLICANT: Giorgi, Dominique
; TITLE OF INVENTION: No. US20020151692A1 Polypeptides and Nucleic Acids Encoding Sam
; FILE REFERENCE: 19904-008 (C009B6834US)
; CURRENT APPLICATION NUMBER: US/09/747,155
; CURRENT FILING DATE: 2000-12-21
; PRIOR APPLICATION NUMBER: 60/171,746
; PRIOR FILING DATE: 1999-12-22
; NUMBER OF SEQ ID NOS: 431
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 51
; LENGTH: 216
; TYPE: PRT
; ORGANISM: Gorilla gorilla
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(649)
; OTHER INFORMATION: Taxon = 9593; gene = GGO3; Accession DDBJ/EMBL/GenBank = AF127848
US-09-747-155-51

Query Match 31.2%; Score 5; DB 10; Length 216;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 FIIFW 13
Db 83 FIIFW 87

Search completed: October 28, 2003, 17:29:06
Job time : 48.7434 secs

GenCore version 5.1.4 p5_4578
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OM protein - nucleic search, using frame_plus_p2n model

Run on: May 11, 2003, 14:25:24 ; Search time 8.77876 Seconds
(without alignments)
558.943 Million cell updates/sec

Title: US-09-854-133-587
Perfect score: 98
Sequence: 1 FQANCGIDFIIFWIFW 16

Scoring table: BLOSUM62
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Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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-DB=Issued_Patents_NA -QFMT=fastap -SUFFIX=rni -MINMATCH=0.1 -LOOPCL=0
-LOOPEXT=0 -UNITS=bits -START=1 -END=-1 -MATRIX=blosum62 -TRANS=human40.cdi
-LIST=45 -DOCALIGN=200 -THR SCORE=pct -THR MAX=100 -THR MIN=0 -ALIGN=15
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-WARN TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOP=6 -FGAPEXT=7
-YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Issued_Patents_NA:*
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6: /cgn2_6/ptodata/1/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES							
Result No.	Score	Query %	Match	Length	DB	ID	Description
C 1	59	60.2	17656	4	US-09-433-579-3		Sequence 3, Appli
2	53	54.1	40000	4	US-09-780-049-18		Sequence 18, Appl
C 3	48	49.0	4673	1	US-07-638-431-1		Sequence 1, Appli
C 4	48	49.0	4673	5	PCT-US92-00018-1		Sequence 1, Appli
5	46	46.9	66	3	US-09-046-247-138		Sequence 138, App
6	46	46.9	4370	4	US-08-981-527A-20		Sequence 20, Appl
C 7	45	45.9	885	3	US-08-545-196B-20		Sequence 20, Appl
C 8	45	45.9	1725	1	US-08-257-073-14		Sequence 14, Appl
9	45	45.9	2435	4	US-09-484-970B-134		Sequence 134, App
C 10	45	45.9	3719	1	US-08-920-812-10		Sequence 10, Appl
C 11	45	45.9	3719	1	US-08-920-827-10		Sequence 10, Appl
C 12	45	45.9	3719	1	US-08-921-177-10		Sequence 10, Appl

C 13	45	45.9	3719	1	US-08-362-577C-10	Sequence 10, Appl
C 14	45	45.9	3719	2	US-08-920-828-10	Sequence 10, Appl
C 15	45	45.9	4810	4	US-09-596-824-5	Sequence 5, Appli
C 16	45	45.9	6718	2	US-08-962-284-1	Sequence 1, Appli
C 17	44	44.9	840	5	PCT-US91-08177-12	Sequence 12, Appl
C 18	44	44.9	1001	4	US-09-641-638-461	Sequence 461, App
C 19	44	44.9	1725	4	US-09-134-001C-545	Sequence 545, App
20	44	44.9	1899	4	US-08-965-762-12	Sequence 12, Appl
C 21	44	44.9	6131	1	US-07-732-242C-8	Sequence 8, Appli
C 22	44	44.9	7152	4	US-09-167-681-29	Sequence 29, Appl
C 23	44	44.9	7323	5	PCT-US91-08177-1	Sequence 1, Appli
C 24	43	43.9	630	4	US-09-328-111-121	Sequence 121, App
C 25	43	43.9	876	4	US-08-446-137B-3	Sequence 3, Appli
C 26	43	43.9	2088	1	US-08-332-838-1	Sequence 1, Appli
C 27	43	43.9	2189	3	US-08-846-020A-1	Sequence 1, Appli
C 28	43	43.9	2189	4	US-09-617-871-1	Sequence 1, Appli
C 29	43	43.9	3279	4	US-08-446-137B-1	Sequence 1, Appli
30	43	43.9	3387	1	US-08-468-557-1	Sequence 1, Appli
C 31	43	43.9	11443	4	US-08-961-527-49	Sequence 49, Appl
C 32	43	43.9	62804	4	US-09-800-960-3	Sequence 3, Appli
33	42.5	43.4	338	4	US-09-615-192A-158	Sequence 158, App
34	42.5	43.4	1814	2	US-08-483-151-1	Sequence 1, Appli
35	42.5	43.4	1814	5	PCT-US96-06427-1	Sequence 1, Appli
C 36	42.5	43.4	5099	1	US-08-487-890A-4	Sequence 4, Appli
C 37	42.5	43.4	5099	2	US-08-478-435-4	Sequence 4, Appli
C 38	42.5	43.4	5099	2	US-08-337-483-4	Sequence 4, Appli
C 39	42.5	43.4	5099	2	US-08-478-373-4	Sequence 4, Appli
C 40	42.5	43.4	5099	3	US-08-474-671-4	Sequence 4, Appli
C 41	42.5	43.4	5099	3	US-08-483-577A-4	Sequence 4, Appli
C 42	42.5	43.4	5099	4	US-08-897-438-4	Sequence 4, Appli
C 43	42.5	43.4	5099	4	US-08-637-654-4	Sequence 4, Appli
C 44	42.5	43.4	5099	4	US-08-649-518-4	Sequence 4, Appli
C 45	42	42.9	830	4	US-08-998-416-419	Sequence 419, App

ALIGNMENTS

RESULT 1
US-09-433-579-3/C
; Sequence 3, Application US/09433579
; Patent No. 644877
; GENERAL INFORMATION:
; APPLICANT: Rottmann, William H.
; TITLE OF INVENTION: LSAG Gene
; FILE REFERENCE: LSAG Gene
; CURRENT APPLICATION NUMBER: US/09/433,579
; CURRENT FILING DATE: 1999-11-04
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 3
; LENGTH: 17656
; TYPE: DNA
; ORGANISM: Liquidambar styraciflua
US-09-433-579-3

Alignment Scores:
Pred. No.: 13.7 Length: 17656
Score: 59.00 Matches: 11
Percent Similarity: 44.00% Conservative: 0
Best Local Similarity: 44.00% Mismatches: 2
Query Match: 60.20% Indels: 12
DB: 4 Gaps: 1

US-09-854-133-587 (1-16) x US-09-433-579-3 (1-17656)

QY	4	AsnCysGlyIle-----	-----AspPheIleIle 11
Db	2548	AATTGTGGGATCCTCCATCACCAGATGCCAATCATCATCTTTACTTTTCGATTTTATT	2489
QY	12	PheTrpIlePheTrp 16	
Db	2488	TTTGTGTTTTTTGG 2474	


```
RESULT 7
US-08-545-196B-20/c
; Sequence 20, Application US/08545196B
; Patent No. 6080577
; GENERAL INFORMATION:
; APPLICANT: MELKI, JUDITH
; APPLICANT: MUNNICH, ARNOLD
; TITLE OF INVENTION: SURVIVAL MOTOR NEURON (SMN) GENE: A GENE
; TITLE OF INVENTION: FOR SPINAL MUSCULAR ATROPHY
; NUMBER OF SEQUENCES: 65
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIRCH, STEWART, KOLASCH AND BIRCH, LLP
; STREET: PO BOX 747
; CITY: FALLS CHURCH
; STATE: VA
; COUNTRY: USA
; ZIP: 22040-0747
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/545,196B
; FILING DATE: 19-OCT-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: FARACI, C. J.
; REGISTRATION NUMBER: 32,350
; REFERENCE/DOCKET NUMBER: 2121-110P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 205-8000
; TELEFAX: (703) 205-8050
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 885 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 18..881
US-08-545-196B-20
Alignment Scores:
Pred. No.: 86.4 Length: 885
Score: 45.00 Matches: 10
Percent Similarity: 46.43% Conservative: 3
Best Local Similarity: 35.71% Mismatches: 3
Query Match: 45.92% Indels: 12
DB: 3 Gaps: 2
US-09-854-133-587 (1-16) x US-08-545-196B-20 (1-885)
QY 1 PheGlnAlaAsnCysGlyIle-----AspPheIleile----- 11
Db 278 TTTCAGGGAGTGTGGCATTCTTCTTTGGCTTTTATTCTTCTTGGCAGGTTTCTTCT 219
QY 12 -----PheTrpIlePheTrp 16
Db 218 GGCTGTGCCTTTTGGCTTATCTGG 195
RESULT 8
US-08-257-073-14/c
; Sequence 14, Application US/08257073
; Patent No. 5766597
; GENERAL INFORMATION:
; APPLICANT: Paolletti, Enzo
; APPLICANT: de Taisne, Charles
; APPLICANT: Tine, John A.
; TITLE OF INVENTION: MALARIA RECOMBINANT POXVIRUS VACCINE
```

```
; NUMBER OF SEQUENCES: 143
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Curtis, Morris & Safford, P.C.
; STREET: 530 Fifth Avenue, 25th Floor
; CITY: New York
; STATE: New York
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/257,073
; FILING DATE: 09-JUN-1994
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/075,783
; FILING DATE: 11-JUN-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/852,305
; FILING DATE: 18-MAR-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/672,183
; FILING DATE: 20-MAR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Frommer, William S.
; REGISTRATION NUMBER: 25,506
; REFERENCE/DOCKET NUMBER: 454310-2570
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 840-3333
; TELEFAX: (212) 840-0712
; TELEX: 425066 CURTMS
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1725 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-257-073-14
Alignment Scores:
Pred. No.: 183 Length: 1725
Score: 45.00 Matches: 6
Percent Similarity: 100.00% Conservative: 1
Best Local Similarity: 85.71% Mismatches: 0
Query Match: 45.92% Indels: 0
DB: 1 Gaps: 0
US-09-854-133-587 (1-16) x US-08-257-073-14 (1-1725)
QY 10 IleIlePheTrpIlePheTrp 16
Db 1194 ATCGTCTTCTGGATTTTGG 1174
RESULT 9
US-09-484-970B-134
; Sequence 134, Application US/09484970B
; Patent No. 6426186
; GENERAL INFORMATION:
; APPLICANT: Jones, Karen A.
; APPLICANT: Volkmuth, Wayne
; APPLICANT: Walker, Michael G.
; TITLE OF INVENTION: BONE REMODELING GENES
; FILE REFERENCE: PB-0014 US
; CURRENT APPLICATION NUMBER: US/09/484,970B
; CURRENT FILING DATE: 2000-01-18
; NUMBER OF SEQ ID NOS: 172
; SOFTWARE: PERL Program
; SEQ ID NO 134
; LENGTH: 2435
; TYPE: DNA
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/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: misc feature
/ OTHER INFORMATION: Incyte ID No. 6426186 247789.2CB1
/ NAME/KEY: unsure
/ LOCATION: 93, 128, 132, 143-144, 2419, 2427, 2429
/ OTHER INFORMATION: a, t, c, g, or other
US-09-484-970B-134

Alignment Scores:
Pred. No.: 270 Length: 2435
Score: 45.00 Matches: 6
Percent Similarity: 90.00% Conservative: 3
Best Local Similarity: 60.00% Mismatches: 1
Query Match: 45.92% Indels: 0
DB: 4 Gaps: 0

US-09-854-133-587 (1-16) x US-09-484-970B-134 (1-2435)

Qy 6 GlyIleAspPheIleIlePheTrpIlePhe 15
Db 1253 GGGATCGACTGGTTCCTCTCTCTGGGTCTTC 1282

RESULT 10
US-08-920-812-10/c
; Sequence 10, Application US/08920812
; Patent No. 5763188
; GENERAL INFORMATION:
; APPLICANT: Ohno, Tsuneya
; APPLICANT: Matsuhisa, Akio
; APPLICANT: Uehara, Hirotosugu
; APPLICANT: Eda, Soji
; TITLE OF INVENTION: Probe for Diagnosing Infectious Disease
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 South Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60606-6402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/920,812
; FILING DATE: 29-AUG-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/362,577
; FILING DATE: 27-MAR-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Rin-Laures, Li-Hsien
; REGISTRATION NUMBER: 33,547
; REFERENCE/DOCKET NUMBER: 19036/32420
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312/474-6300
; TELEFAX: 312/474-0448
; TELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3719 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: Genomic DNA
; ORIGINAL SOURCE:
; ORGANISM: Enterococcus faecalis
; STRAIN: Clinical Isolate S2-3
US-08-920-812-10

Alignment Scores:
Pred. No.: 435 Length: 3719
Score: 45.00 Matches: 7
Percent Similarity: 54.55% Conservative: 5
Best Local Similarity: 31.82% Mismatches: 2
Query Match: 45.92% Indels: 8
DB: 1 Gaps: 1

US-09-854-133-587 (1-16) x US-08-920-812-10 (1-3719)

Qy 1 PheGlnAlaAsnCysGlyIle-----AspPheIleIlePhe 12
Db 1878 TTTAGAACGACTGTGGTGTGTTTGTGACGAACACCGGAACGACTTCTTTTGT 1819
Qy 13 TrpIle 14
Db 1818 TGGCTT 1813

RESULT 11
US-08-920-827-10/c
; Sequence 10, Application US/08920827
; Patent No. 5770375
; GENERAL INFORMATION:
; APPLICANT: Ohno, Tsuneya
; APPLICANT: Matsuhisa, Akio
; APPLICANT: Uehara, Hirotosugu
; APPLICANT: Eda, Soji
; TITLE OF INVENTION: Probe for Diagnosing Infectious Disease
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 South Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60606-6402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/920,827
; FILING DATE: 29-AUG-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/362,577
; FILING DATE: 27-MAR-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Rin-Laures, Li-Hsien
; REGISTRATION NUMBER: 33,547
; REFERENCE/DOCKET NUMBER: 19036/32420
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312/474-6300
; TELEFAX: 312/474-0448
; TELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3719 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: Genomic DNA
; ORIGINAL SOURCE:
; ORGANISM: Enterococcus faecalis
; STRAIN: Clinical Isolate S2-3
US-08-920-827-10

Alignment Scores:
Pred. No.: 435 Length: 3719
Score: 45.00 Matches: 7
Percent Similarity: 54.55% Conservative: 5
Best Local Similarity: 31.82% Mismatches: 2

Query Match:	45.92%	Indels:	8
DB:	1	Gaps:	1
US-09-854-133-587 (1-16) x US-08-920-827-10 (1-3719)			
Qy	1	PheGlnAlaAsnCysGlyIle-----AspPheIleIlePhe	12
Db	1878	TTTAGAACGGACTGTGGTGTGTTTGTGTTTACGAACTACCGGAAAGCGACTTCTTTTGTGTTT	1819
Qy	13	TrpIle 14	
Db	1818	TGGCTT 1813	
RESULT 12			
US-08-921-177-10/c			
; Sequence 10, Application US/08921177			
; Patent No. 5798211			
; GENERAL INFORMATION:			
; APPLICANT: Ohno, Tsuneya			
; APPLICANT: Matsuhisa, Akio			
; APPLICANT: Uehara, Hirotosugu			
; APPLICANT: Eda, Soji			
; TITLE OF INVENTION: Probe for Diagnosing Infectious Disease			
; NUMBER OF SEQUENCES: 25			
; CORRESPONDENCE ADDRESS:			
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun			
; STREET: 6300 Sears Tower, 233 South Wacker Drive			
; CITY: Chicago			
; STATE: Illinois			
; COUNTRY: United States of America			
; ZIP: 60606-6402			
; COMPUTER READABLE FORM:			
; MEDIUM TYPE: Floppy disk			
; COMPUTER: IBM PC compatible			
; OPERATING SYSTEM: PC-DOS/MS-DOS			
; SOFTWARE: Patentin Release #1.0, Version #1.25			
; CURRENT APPLICATION DATA:			
; APPLICATION NUMBER: US/08/921,177			
; FILING DATE: 29-AUG-1997			
; CLASSIFICATION: 435			
; PRIOR APPLICATION DATA:			
; APPLICATION NUMBER: US 08/362,577			
; FILING DATE: 27-MAR-1995			
; ATTORNEY/AGENT INFORMATION:			
; NAME: Rin-Laures, Li-Hsien			
; REGISTRATION NUMBER: 33,547			
; REFERENCE/DOCKET NUMBER: 19036/32420			
; TELECOMMUNICATION INFORMATION:			
; TELEPHONE: 312/474-6300			
; TELEFAX: 312/474-0448			
; TELEX: 25-3856			
; INFORMATION FOR SEQ ID NO: 10:			
; SEQUENCE CHARACTERISTICS:			
; LENGTH: 3719 base pairs			
; TYPE: nucleic acid			
; STRANDEDNESS: double			
; TOPOLOGY: linear			
; MOLECULE TYPE: Genomic DNA			
; ORIGINAL SOURCE:			
; ORGANISM: Enterococcus faecalis			
; STRAIN: Clinical Isolate S2-3			
US-08-921-177-10			
Alignment Scores:			
Pred. No.:	435	Length:	3719
Score:	45.00	Matches:	7
Percent Similarity:	54.55%	Conservative:	5
Best Local Similarity:	31.82%	Mismatches:	2
Query Match:	45.92%	Indels:	8
DB:	1	Gaps:	1
US-09-854-133-587 (1-16) x US-08-921-177-10 (1-3719)			
Qy	1	PheGlnAlaAsnCysGlyIle-----AspPheIleIlePhe	12
Db	1878	TTTAGAACGGACTGTGGTGTGTTTGTGTTTACGAACTACCGGAAAGCGACTTCTTTTGTGTTT	1819
Qy	13	TrpIle 14	
Db	1818	TGGCTT 1813	
RESULT 13			
US-08-362-577C-10/c			
; Sequence 10, Application US/08362577C			
; Patent No. 5807673			
; GENERAL INFORMATION:			
; APPLICANT: Ohno, Tsuneya			
; APPLICANT: Matsuhisa, Akio			
; APPLICANT: Uehara, Hirotosugu			
; APPLICANT: Eda, Soji			
; TITLE OF INVENTION: Probe for Diagnosing Infectious Disease			
; NUMBER OF SEQUENCES: 25			
; CORRESPONDENCE ADDRESS:			
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun			
; STREET: 6300 Sears Tower, 233 South Wacker Drive			
; CITY: Chicago			
; STATE: Illinois			
; COUNTRY: United States of America			
; ZIP: 60606-6402			
; COMPUTER READABLE FORM:			
; MEDIUM TYPE: Floppy disk			
; COMPUTER: IBM PC compatible			
; OPERATING SYSTEM: PC-DOS/MS-DOS			
; SOFTWARE: Patentin Release #1.0, Version #1.25			
; CURRENT APPLICATION DATA:			
; APPLICATION NUMBER: US/08/362,577C			
; FILING DATE: 27-MAR-1995			
; CLASSIFICATION: 536			
; ATTORNEY/AGENT INFORMATION:			
; NAME: Rin-Laures, Li-Hsien			
; REGISTRATION NUMBER: 33,547			
; REFERENCE/DOCKET NUMBER: 19036/32420			
; TELECOMMUNICATION INFORMATION:			
; TELEPHONE: 312/474-6300			
; TELEFAX: 312/474-0448			
; TELEX: 25-3856			
; INFORMATION FOR SEQ ID NO: 10:			
; SEQUENCE CHARACTERISTICS:			
; LENGTH: 3719 base pairs			
; TYPE: nucleic acid			
; STRANDEDNESS: double			
; TOPOLOGY: linear			
; MOLECULE TYPE: Genomic DNA			
; ORIGINAL SOURCE:			
; ORGANISM: Enterococcus faecalis			
; STRAIN: Clinical Isolate S2-3			
US-08-362-577C-10			
Alignment Scores:			
Pred. No.:	435	Length:	3719
Score:	45.00	Matches:	7
Percent Similarity:	54.55%	Conservative:	5
Best Local Similarity:	31.82%	Mismatches:	2
Query Match:	45.92%	Indels:	8
DB:	1	Gaps:	1
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Db	1878	TTTAGAACGGACTGTGGTGTGTTTGTGTTTACGAACTACCGGAAAGCGACTTCTTTTGTGTTT	1819
Qy	13	TrpIle 14	
Db	1818	TGGCTT 1813	
US-09-854-133-587 (1-16) x US-08-921-177-10 (1-3719)			
Qy	1	PheGlnAlaAsnCysGlyIle-----AspPheIleIlePhe	12
Db	1878	TTTAGAACGGACTGTGGTGTGTTTGTGTTTACGAACTACCGGAAAGCGACTTCTTTTGTGTTT	1819
Qy	13	TrpIle 14	
Db	1818	TGGCTT 1813	

GenCore version 5.1.4 p5 4578
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OM protein - nucleic search, using frame_plus_p2n model

Run on: May 11, 2003, 15:28:15 ; Search time 18.9735 Seconds
(without alignments)
1047.953 Million cell updates/sec

Title: US-09-854-133-587
Perfect score: 98
Sequence: 1 FQANCGIDFIIFWIFW 16

Scoring table: BLOSUM62
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Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 783854 seqs, 621352466 residues

Total number of hits satisfying chosen parameters: 1567708

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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-LOOPCL=0 -LOOPEXT=0 -UNITS=bits -START=1 -END=-1 -MATRIX=blosum62
-TRANS=human40.cdi -LIST=45 -DOCALIGN=200 -THR SCORE=pct -THR MAX=100
-THR MIN=0 -ALIGN=15 -MODE=LOCAL -OUTFMT=pto -NORM=ext -HEAPSIZE=500 -MINLEN=0
-MAXLEN=2000000000 -USER=US09854133 @CGN 1 1 117 @runat_05052003_173958_449
-NCPU=6 -ICPU=3 -NO_XLPXY -NO_MMAP -LARGEQUERY -NEG SCORES=0 -WAIT -LONGLOG
-DEV TIMEOUT=120 -WARN TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOP=6
-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Published Applications_NA:*

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- 3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq:*
- 4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq:*
- 5: /cgn2_6/ptodata/2/pubpna/US07_NEW_PUB.seq:*
- 6: /cgn2_6/ptodata/2/pubpna/PCTUS_PUBCOMB.seq:*
- 7: /cgn2_6/ptodata/2/pubpna/US08_NEW_PUB.seq:*
- 8: /cgn2_6/ptodata/2/pubpna/US08_PUBCOMB.seq:*
- 9: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq:*
- 10: /cgn2_6/ptodata/2/pubpna/US09_PUBCOMB.seq:*
- 11: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq:*
- 12: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq:*
- 13: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq:*
- 14: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	98	100.0	337	9 US-09-854-133-442	Sequence 442, App
2	98	100.0	337	10 US-09-738-973-442	Sequence 442, App
3	98	100.0	2239	9 US-09-854-133-440	Sequence 440, App
4	98	100.0	2239	10 US-09-738-973-440	Sequence 440, App

5	98	100.0	5981	9 US-09-854-133-441	Sequence 441, App
6	98	100.0	5981	10 US-09-738-973-441	Sequence 441, App
7	51	52.0	806	10 US-09-910-943-590	Sequence 590, App
8	51	52.0	31412	9 US-10-109-551-3	Sequence 3, Appli
9	50.5	51.5	710	10 US-09-867-550-1537	Sequence 1537, Ap
10	50	51.0	8925	9 US-09-764-891-9932	Sequence 9932, Ap
11	50	51.0	15732	9 US-10-239-676-96	Sequence 96, Appl
12	50	51.0	1691139	9 US-10-067-514-1	Sequence 1, Appli
13	49	50.0	2157	10 US-09-801-368-387	Sequence 387, App
14	49	50.0	83450	9 US-09-811-469-3	Sequence 3, Appli
15	48	49.0	303	10 US-09-998-598-2471	Sequence 2471, Ap
16	48	49.0	405	9 US-09-918-995-33363	Sequence 33363, A
17	48	49.0	601	10 US-09-777-921A-64	Sequence 64, Appl
18	48	49.0	2285	9 US-09-978-295A-283	Sequence 283, App
19	48	49.0	2285	9 US-09-978-697-283	Sequence 283, App
20	48	49.0	2285	9 US-09-978-192A-283	Sequence 283, App
21	48	49.0	2285	9 US-09-999-832A-283	Sequence 283, App
22	48	49.0	2285	9 US-09-978-189-283	Sequence 283, App
23	48	49.0	2285	9 US-10-174-590-111	Sequence 111, App
24	48	49.0	2285	9 US-10-176-758-111	Sequence 111, App
25	48	49.0	2285	9 US-10-175-737-111	Sequence 111, App
26	48	49.0	2285	9 US-10-173-706-111	Sequence 111, App
27	48	49.0	2285	9 US-10-175-738-111	Sequence 111, App
28	48	49.0	2285	9 US-10-175-752-111	Sequence 111, App
29	48	49.0	2285	9 US-10-176-482-111	Sequence 111, App
30	48	49.0	2285	9 US-10-176-757-111	Sequence 111, App
31	48	49.0	2285	9 US-10-176-913-111	Sequence 111, App
32	48	49.0	2285	9 US-10-180-552-111	Sequence 111, App
33	48	49.0	2285	9 US-10-180-557-111	Sequence 111, App
34	48	49.0	2285	9 US-10-173-700-111	Sequence 111, App
35	48	49.0	2285	9 US-10-174-572-111	Sequence 111, App
36	48	49.0	2285	9 US-10-174-579-111	Sequence 111, App
37	48	49.0	2285	9 US-10-174-582-111	Sequence 111, App
38	48	49.0	2285	9 US-10-174-588-111	Sequence 111, App
39	48	49.0	2285	9 US-10-175-739-111	Sequence 111, App
40	48	49.0	2285	9 US-10-175-740-111	Sequence 111, App
41	48	49.0	2285	9 US-10-175-743-111	Sequence 111, App
42	48	49.0	2285	9 US-10-176-488-111	Sequence 111, App
43	48	49.0	2285	9 US-10-176-492-111	Sequence 111, App
44	48	49.0	2285	9 US-10-176-747-111	Sequence 111, App
45	48	49.0	2285	9 US-10-176-750-111	Sequence 111, App

ALIGNMENTS

RESULT 1
US-09-854-133-442
; Sequence 442, Application US/09854133
; Publication No. US20020183499A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Henderson, Robert. A.
; APPLICANT: Benson, Darin R.
; APPLICANT: Secrist, Heather
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C10
; CURRENT APPLICATION NUMBER: US/09/854.133
; CURRENT FILING DATE: 2001-05-11
; NUMBER OF SEQ ID NOS: 735
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 442
; LENGTH: 337
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-854-133-442

Alignment Scores:
Pred. No.: 2.04e-07 Length: 337
Score: 98.00 Matches: 16
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0

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Query Match:      100.00%      Indels:      0
DB:               9           Gaps:         0

US-09-854-133-587 (1-16) x US-09-854-133-442 (1-337)

Qy      1 PheGlnAlaAsnCysGlyIleAspPheIleIlePheTrpIlePheTrp 16
      |||
Db      107 TTCCAGGCCAATTGTGGCATAGATTTTATCATATTCGTGGATTTTGG 154

RESULT 2
US-09-738-973-442
; Sequence 442, Application US/09738973
; Patent No. US20020110563A1
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Fling, Steven P.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Algate, Paul A.
; APPLICANT: Secrist, Heather
; APPLICANT: Indirias, Carol Yoseph
; APPLICANT: Benson, Darin R.
; APPLICANT: Elliot, Mark
; APPLICANT: Mannion, Jane
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; FILE REFERENCE: 210121.475C9
; CURRENT APPLICATION NUMBER: US/09/738, 973
; CURRENT FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 587
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 442
; LENGTH: 337
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-738-973-442

Alignment Scores:      2.04e-07      Length:      337
Pred. No.:            98.00         Matches:      16
Score:                100.00%        Conservative: 0
Percent Similarity:   100.00%        Mismatches:  0
Best Local Similarity: 100.00%        Indels:      0
Query Match:         100.00%        Gaps:        0
DB:

US-09-854-133-587 (1-16) x US-09-738-973-442 (1-337)

Qy      1 PheGlnAlaAsnCysGlyIleAspPheIleIlePheTrpIlePheTrp 16
      |||
Db      107 TTCCAGGCCAATTGTGGCATAGATTTTATCATATTCGTGGATTTTGG 154

RESULT 3
US-09-854-133-440
; Sequence 440, Application US/09854133
; Publication No. US20020183499A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Henderson, Robert A.
; APPLICANT: Benson, Darin R.
; APPLICANT: Secrist, Heather
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; FILE REFERENCE: 210121.475C10
; CURRENT APPLICATION NUMBER: US/09/854,133
; CURRENT FILING DATE: 2001-05-11
; NUMBER OF SEQ ID NOS: 735
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 440
; LENGTH: 2239
; TYPE: DNA

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```

; ORGANISM: Homo sapiens
US-09-854-133-440

Alignment Scores:      1.91e-06      Length:      2239
Pred. No.:            98.00         Matches:      16
Score:                100.00%        Conservative: 0
Percent Similarity:   100.00%        Mismatches:  0
Best Local Similarity: 100.00%        Indels:      0
Query Match:         100.00%        Gaps:        0
DB:

US-09-854-133-587 (1-16) x US-09-854-133-440 (1-2239)

Qy      1 PheGlnAlaAsnCysGlyIleAspPheIleIlePheTrpIlePheTrp 16
      |||
Db      104 TTCCAGGCCAATTGTGGCATAGATTTTATCATATTCGTGGATTTTGG 151

RESULT 4
US-09-738-973-440
; Sequence 440, Application US/09738973
; Patent No. US20020110563A1
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Fling, Steven P.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Algate, Paul A.
; APPLICANT: Secrist, Heather
; APPLICANT: Indirias, Carol Yoseph
; APPLICANT: Benson, Darin R.
; APPLICANT: Elliot, Mark
; APPLICANT: Mannion, Jane
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; FILE REFERENCE: 210121.475C9
; CURRENT APPLICATION NUMBER: US/09/738,973
; CURRENT FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 587
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 440
; LENGTH: 2239
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-738-973-440

Alignment Scores:      1.91e-06      Length:      2239
Pred. No.:            98.00         Matches:      16
Score:                100.00%        Conservative: 0
Percent Similarity:   100.00%        Mismatches:  0
Best Local Similarity: 100.00%        Indels:      0
Query Match:         100.00%        Gaps:        0
DB:

US-09-854-133-587 (1-16) x US-09-738-973-440 (1-2239)

Qy      1 PheGlnAlaAsnCysGlyIleAspPheIleIlePheTrpIlePheTrp 16
      |||
Db      104 TTCCAGGCCAATTGTGGCATAGATTTTATCATATTCGTGGATTTTGG 151

RESULT 5
US-09-854-133-441
; Sequence 441, Application US/09854133
; Publication No. US20020183499A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Henderson, Robert A.
; APPLICANT: Benson, Darin R.
; APPLICANT: Secrist, Heather
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; FILE REFERENCE: 210121.475C9
; CURRENT APPLICATION NUMBER: US/09/738,973
; CURRENT FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 587
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 440
; LENGTH: 2239
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-738-973-440

Alignment Scores:      1.91e-06      Length:      2239
Pred. No.:            98.00         Matches:      16
Score:                100.00%        Conservative: 0
Percent Similarity:   100.00%        Mismatches:  0
Best Local Similarity: 100.00%        Indels:      0
Query Match:         100.00%        Gaps:        0
DB:

US-09-854-133-587 (1-16) x US-09-738-973-440 (1-2239)

Qy      1 PheGlnAlaAsnCysGlyIleAspPheIleIlePheTrpIlePheTrp 16
      |||
Db      104 TTCCAGGCCAATTGTGGCATAGATTTTATCATATTCGTGGATTTTGG 151

RESULT 5
US-09-854-133-441
; Sequence 441, Application US/09854133
; Publication No. US20020183499A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Henderson, Robert A.
; APPLICANT: Benson, Darin R.
; APPLICANT: Secrist, Heather
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; FILE REFERENCE: 210121.475C9
; CURRENT APPLICATION NUMBER: US/09/738,973
; CURRENT FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 587
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 440
; LENGTH: 2239
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-738-973-440

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; FILE REFERENCE: 210121.475C10
; CURRENT APPLICATION NUMBER: US/09/854,133
; CURRENT FILING DATE: 2001-05-11
; NUMBER OF SEQ ID NOS: 735
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 441
; LENGTH: 5981
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-854-133-441

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Alignment Scores:
Pred. No.: 6.1e-06 Length: 5981
Score: 98.00 Matches: 16
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

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US-09-854-133-587 (1-16) x US-09-854-133-441 (1-5981)

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Qy 1 PheGlnAlaAsnCysGlyIleAspPheIleIlePheTrpIlePheTrp 16
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Db 102 TTCAGGCCAAATTGGCATAGATTTTATCATATTCGTGGATTTTGG 149

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RESULT 6

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US-09-738-973-441
; Sequence 441, Application US/09738973
; Patent No. US20020110563A1
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Fling, Steven P.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Algate, Paul A.
; APPLICANT: Secrist, Heather
; APPLICANT: Indirias, Carol Yoseph
; APPLICANT: Benson, Darin R.
; APPLICANT: Elliot, Mark
; APPLICANT: Mannion, Jane
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C9
; CURRENT APPLICATION NUMBER: US/09/738,973
; CURRENT FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 587
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 441
; LENGTH: 5981
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-738-973-441

```

```

Alignment Scores:
Pred. No.: 6.1e-06 Length: 5981
Score: 98.00 Matches: 16
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 10 Gaps: 0

```

US-09-854-133-587 (1-16) x US-09-738-973-441 (1-5981)

```

Qy 1 PheGlnAlaAsnCysGlyIleAspPheIleIlePheTrpIlePheTrp 16
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 102 TTCAGGCCAAATTGGCATAGATTTTATCATATTCGTGGATTTTGG 149

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RESULT 7

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US-09-910-943-590/c
; Sequence 590, Application US/09910943
; Patent No. US20020081610A1

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; GENERAL INFORMATION:
; APPLICANT: Hemmati-Brivanlou, Ali
; APPLICANT: Altman, Curtis
; TITLE OF INVENTION: Assays and Materials for Embryonic Gene Expression
; FILE REFERENCE: 7529/1G148US1
; CURRENT APPLICATION NUMBER: US/09/910,943
; CURRENT FILING DATE: 2001-07-23
; NUMBER OF SEQ ID NOS: 742
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 590
; LENGTH: 806
; TYPE: DNA
; ORGANISM: Xenopus laevis
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(806)
; OTHER INFORMATION: n may be a or g or c or t/u
US-09-910-943-590

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Alignment Scores:
Pred. No.: 19.9 Length: 806
Score: 51.00 Matches: 6
Percent Similarity: 75.00% Conservative: 3
Best Local Similarity: 50.00% Mismatches: 3
Query Match: 52.04% Indels: 0
DB: 10 Gaps: 0

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US-09-854-133-587 (1-16) x US-09-910-943-590 (1-806)

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Qy 5 CysGlyIleAspPheIleIlePheTrpIlePheTrp 16
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 154 TGTGGTATCTATCATGTGCTCTTCTGGTCTCTGG 119

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RESULT 8

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US-10-109-551-3/c
; Sequence 3, Application US/10109551
; Publication No. US20020194635A1
; GENERAL INFORMATION:
; APPLICANT: DUNNE, PATRICK W.
; APPLICANT: PIEDRAHITA, JORGE
; TITLE OF INVENTION: TRANSGENIC ANIMALS RESISTANT TO TRANSMISSIBLE
; TITLE OF INVENTION: SPONGIFORM ENCEPHALOPATHIES
; FILE REFERENCE: TAMK:207US
; CURRENT APPLICATION NUMBER: US/10/109,551
; CURRENT FILING DATE: 2002-03-28
; PRIOR APPLICATION NUMBER: 60/280,549
; PRIOR FILING DATE: 2001-03-30
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 31412
; TYPE: DNA
; ORGANISM: Ovis aries
US-10-109-551-3

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Alignment Scores:
Pred. No.: 1.5e+03 Length: 31412
Score: 51.00 Matches: 6
Percent Similarity: 90.00% Conservative: 3
Best Local Similarity: 60.00% Mismatches: 1
Query Match: 52.04% Indels: 0
DB: 9 Gaps: 0

```

US-09-854-133-587 (1-16) x US-10-109-551-3 (1-31412)

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Qy 7 IleAspPheIleIlePheTrpIlePheTrp 16
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Db 15883 CTAGATTTTGTGTTTATTCGTGATACTTTGG 15854

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RESULT 9

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US-09-867-550-1537
; Sequence 1537, Application US/09867550
; Patent No. US2002008206A1

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```
; GENERAL INFORMATION:
; APPLICANT: Leach, Martin D.
; APPLICANT: Mehraban, Fuad,
; APPLICANT: Conley, Pamela
; APPLICANT: Law, Debbie
; APPLICANT: Topper, James
; TITLE OF INVENTION: NO. US20020082206A1el Polynucleotides from Atherogenic Cells and
; TITLE OF INVENTION: Thereby
; FILE REFERENCE: 21402-013 (Cura-313)
; CURRENT APPLICATION NUMBER: US/09/867,550
; CURRENT FILING DATE: 2001-09-20
; PRIOR APPLICATION NUMBER: USSN 60/208,427
; PRIOR FILING DATE: 2000-05-30
; NUMBER OF SEQ ID NOS: 2125
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1537
; LENGTH: 710
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-867-550-1537

Alignment Scores:
Pred. No.: 20.6 Length: 710
Score: 50.50 Matches: 8
Percent Similarity: 71.43% Conservative: 2
Best Local Similarity: 57.14% Mismatches: 3
Query Match: 51.53% Indels: 1
DB: 10 Gaps: 1

US-09-854-133-587 (1-16) x US-09-867-550-1537 (1-710)

QY 4 AsnCysGly---IleAspPheIleIlePheTrpIlePheTrp 16
   ||| ||| :: |||||::||| |||||
Db 174 AACGCTGGCAGGGTTAGTTTCATTTTGTGTTTGGTGG 215

RESULT 10
US-09-764-891-9932/c
; Sequence 9932, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC006
; CURRENT APPLICATION NUMBER: US/09/764,891
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 9932
; LENGTH: 8925
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-891-9932

Alignment Scores:
Pred. No.: 492 Length: 8925
Score: 50.00 Matches: 8
Percent Similarity: 71.43% Conservative: 2
Best Local Similarity: 57.14% Mismatches: 4
Query Match: 51.02% Indels: 0
DB: 9 Gaps: 0

US-09-854-133-587 (1-16) x US-09-764-891-9932 (1-8925)

QY 3 AlaAsnCysGlyIleAspPheIleIlePheTrpIlePheTrp 16
   |||:: ||||| |||||::|||
Db 5144 GCATCATCTCGGATAGACACATACATCTTCTGGCTATTCTGG 5103

RESULT 11
US-10-239-676-96
; Sequence 96, Application US/10239676
; Publication No. US20030082609A1
; GENERAL INFORMATION:
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; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with Gene Regulation
; FILE REFERENCE: 5013.1003
; CURRENT APPLICATION NUMBER: US/10/239,676
; CURRENT FILING DATE: 2002-09-24
; PRIOR APPLICATION NUMBER: PCT/EP01/03968
; DE 10019058.8
; DE 10019173.8
; DE 10032529.7
; DE 10043826.1
; PRIOR FILING DATE: 2001-04-06
; 2000-04-06
; 2000-04-07
; 2000-06-30
; 2000-09-01
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 96
; LENGTH: 15732
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-239-676-96

Alignment Scores:
Pred. No.: 962 Length: 15732
Score: 50.00 Matches: 7
Percent Similarity: 75.00% Conservative: 2
Best Local Similarity: 58.33% Mismatches: 3
Query Match: 51.02% Indels: 0
DB: 9 Gaps: 0

US-09-854-133-587 (1-16) x US-10-239-676-96 (1-15732)

QY 4 AsnCysGlyIleAspPheIleIlePheTrpIlePhe 15
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Db 475 AGTTGTGGAATGGATTTAGTTTTTTTGGTTTTTT 510

RESULT 12
US-10-067-514-1
; Sequence 1, Application US/10067514
; Publication No. US20030054531A1
; GENERAL INFORMATION:
; APPLICANT: Gretarsdottir, Solveig
; APPLICANT: Jonsdottir, Sif
; APPLICANT: Reynisdottir, Sigridur Th.
; TITLE OF INVENTION: HUMAN STROKE GENE
; FILE REFERENCE: 2345.2010-003
; CURRENT APPLICATION NUMBER: US/10/067,514
; CURRENT FILING DATE: 2002-02-04
; PRIOR APPLICATION NUMBER: US 09/811/352
; PRIOR FILING DATE: 2001-03-19
; NUMBER OF SEQ ID NOS: 84
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1691139
; TYPE: DNA
; ORGANISM: Human
US-10-067-514-1

Alignment Scores:
Pred. No.: 2.24e+05 Length: 1691139
Score: 50.00 Matches: 7
Percent Similarity: 73.33% Conservative: 4
Best Local Similarity: 46.67% Mismatches: 2
Query Match: 51.02% Indels: 2
DB: 9 Gaps: 1

US-09-854-133-587 (1-16) x US-10-067-514-1 (1-1691139)

QY 4 AsnCysGlyIle-----AspPheIleIlePheTrpIlePheTrp 16
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GenCore version 5.1.6
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OM protein - nucleic search, using frame_plus_p2n model

Run on: October 30, 2003, 14:13:43 ; Search time 11.3274 Seconds
(without alignments)
623.454 Million cell updates/sec

Title: US-09-854-133-587
Perfect score: 16
Sequence: 1 FQANCGIDFIIFWIFW 16

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Ygapop 60.0 , Ygapext 60.0
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 569978 seqs, 220691566 residues

Word size: 1
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Pred. No. is the number of results predicted by chance to have a
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SUMMARIES

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246	5	31.2	1235	3	US-08-952-014C-36	Sequence 36, Appl	C 319	5	31.2	1623	4	US-09-134-001C-1868	Sequence 1868, Ap
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C 253	5	31.2	1284	4	US-09-252-991A-5198	Sequence 5198, Ap	C 326	5	31.2	1660	4	US-09-996-243-176	Sequence 176, App
254	5	31.2	1287	4	US-09-134-001C-105	Sequence 105, App	C 327	5	31.2	1662	3	US-09-344-700-1	Sequence 1, Appli
C 255	5	31.2	1290	4	US-09-107-532A-3187	Sequence 3187, Ap	C 328	5	31.2	1668	4	US-09-252-991A-4033	Sequence 4033, Ap
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258	5	31.2	1306	4	US-09-170-187-12	Sequence 12, Appl	C 331	5	31.2	1689	4	US-09-721-975-22	Sequence 22, Appl
259	5	31.2	1310	4	US-09-501-115-19	Sequence 19, Appl	C 332	5	31.2	1689	4	US-09-986-621-22	Sequence 22, Appl
260	5	31.2	1311	4	US-09-675-305-9	Sequence 9, Appli	C 333	5	31.2	1692	4	US-09-601-198-63	Sequence 63, Appl
C 261	5	31.2	1320	4	US-09-252-991A-3999	Sequence 3999, Ap	C 334	5	31.2	1701	1	US-07-939-501A-11	Sequence 11, Appl
C 262	5	31.2	1326	4	US-09-328-352-1300	Sequence 1300, Ap	C 335	5	31.2	1710	4	US-09-134-001C-2735	Sequence 2735, Ap
263	5	31.2	1326	4	US-09-328-352-2243	Sequence 2243, Ap	C 336	5	31.2	1716	4	US-09-620-312D-922	Sequence 922, App
C 264	5	31.2	1329	4	US-09-107-532A-886	Sequence 886, App	C 337	5	31.2	1722	3	US-08-691-563C-58	Sequence 58, Appl
C 265	5	31.2	1332	4	US-09-134-001C-1374	Sequence 1374, Ap	C 338	5	31.2	1722	3	US-08-718-425-1	Sequence 1, Appli
266	5	31.2	1338	4	US-09-252-991A-12084	Sequence 12084, A	C 339	5	31.2	1722	3	US-08-875-277A-1	Sequence 1, Appli
267	5	31.2	1341	4	US-09-252-991A-614	Sequence 614, App	C 340	5	31.2	1722	3	US-09-380-061B-1	Sequence 1, Appli
C 268	5	31.2	1356	4	US-09-107-532A-2998	Sequence 2998, Ap	C 341	5	31.2	1722	4	US-09-374-766-58	Sequence 58, Appl
C 269	5	31.2	1381	3	US-09-426-557-5	Sequence 5, Appli	C 342	5	31.2	1722	4	US-08-979-847B-54	Sequence 54, Appl
C 270	5	31.2	1404	4	US-09-328-352-1599	Sequence 1599, Ap	C 343	5	31.2	1725	1	US-08-257-073-14	Sequence 14, Appl
C 271	5	31.2	1409	3	US-08-855-910-12	Sequence 12, Appl	C 344	5	31.2	1747	4	US-09-620-312D-1062	Sequence 1062, Ap
272	5	31.2	1430	3	US-09-499-505-3	Sequence 3, Appli	C 345	5	31.2	1749	4	US-09-252-991A-3910	Sequence 3910, Ap
273	5	31.2	1430	3	US-09-626-410-3	Sequence 3, Appli	C 346	5	31.2	1758	4	US-09-134-001C-2077	Sequence 2077, Ap
274	5	31.2	1430	4	US-09-116-188-3	Sequence 3, Appli	C 347	5	31.2	1767	1	US-08-399-646-1	Sequence 1, Appli
275	5	31.2	1430	4	US-09-626-047-3	Sequence 3, Appli	C 348	5	31.2	1767	1	US-08-607-321-1	Sequence 1, Appli
276	5	31.2	1430	4	US-09-626-343-3	Sequence 3, Appli	C 349	5	31.2	1767	2	US-08-961-240-1	Sequence 1, Appli
277	5	31.2	1430	4	US-09-354-922-4	Sequence 4, Appli	C 350	5	31.2	1767	2	US-08-605-501-1	Sequence 1, Appli
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C 280	5	31.2	1449	3	US-09-027-166-6	Sequence 6, Appli	C 353	5	31.2	1798	4	US-09-446-402A-16	Sequence 16, Appl
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C 282	5	31.2	1477	4	US-09-620-312D-831	Sequence 831, App	C 355	5	31.2	1803	4	US-09-532-180A-2	Sequence 2, Appli
283	5	31.2	1478	3	US-09-426-557-7	Sequence 7, Appli	C 356	5	31.2	1805	4	US-08-961-527-247	Sequence 247, App
284	5	31.2	1485	3	US-09-499-505-1	Sequence 1, Appli	C 357	5	31.2	1810	3	US-08-657-868B-3	Sequence 3, Appli
285	5	31.2	1485	3	US-09-626-410-1	Sequence 1, Appli	C 358	5	31.2	1810	4	US-09-532-180A-3	Sequence 3, Appli
286	5	31.2	1485	4	US-09-116-188-1	Sequence 1, Appli	C 359	5	31.2	1811	3	US-08-867-352-22	Sequence 22, Appl
287	5	31.2	1485	4	US-09-626-047-1	Sequence 1, Appli	C 360	5	31.2	1829	3	US-08-657-868B-1	Sequence 1, Appli
288	5	31.2	1485	4	US-09-626-343-1	Sequence 1, Appli	C 361	5	31.2	1829	4	US-09-532-180A-1	Sequence 1, Appli
289	5	31.2	1485	4	US-09-354-922-2	Sequence 2, Appli	C 362	5	31.2	1838	4	US-08-487-183A-9	Sequence 9, Appli
290	5	31.2	1485	4	US-09-516-051-1	Sequence 1, Appli	C 363	5	31.2	1842	4	US-09-328-352-3836	Sequence 3836, Ap
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C 292	5	31.2	1488	4	US-09-721-975-8	Sequence 8, Appli	C 365	5	31.2	1888	3	US-09-035-648-20	Sequence 20, Appl
C 293	5	31.2	1488	4	US-09-986-621-8	Sequence 8, Appli	C 366	5	31.2	1888	3	US-09-001-951-20	Sequence 20, Appl
294	5	31.2	1490	4	US-09-032-297A-5	Sequence 5, Appli	C 367	5	31.2	1888	4	US-08-818-829-20	Sequence 20, Appl
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C 297	5	31.2	1500	4	US-09-107-532A-207	Sequence 207, App	C 370	5	31.2	1923	4	US-09-252-991A-6681	Sequence 6681, Ap
C 298	5	31.2	1503	4	US-09-215-694-36	Sequence 36, Appl	C 371	5	31.2	1924	3	US-08-961-083-159	Sequence 159, App
C 299	5	31.2	1509	4	US-09-328-352-2561	Sequence 2561, Ap	C 372	5	31.2	1924	4	US-09-536-784-159	Sequence 159, App
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C 301	5	31.2	1511	4	US-09-634-238-58	Sequence 58, Appl	374	5	31.2	1974	4	US-09-221-017B-726	Sequence 726, App
C 302	5	31.2	1518	3	US-08-695-987-1	Sequence 1, Appli	375	5	31.2	1974	4	US-09-252-991A-6585	Sequence 6585, Ap
C 303	5	31.2	1518	3	US-08-695-987-3	Sequence 3, Appli	376	5	31.2	1980	1	US-08-278-630A-12	Sequence 12, Appl
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C 378	5	31.2	1980	3	US-09-299-450-1	Sequence 1, Appli	451	5	31.2	2192	4	US-09-221-017B-1027	Sequence 1027, Ap
C 379	5	31.2	1983	3	US-09-181-706-7	Sequence 7, Appli	C 452	5	31.2	2205	4	US-09-107-532A-1546	Sequence 1546, Ap
C 380	5	31.2	1983	3	US-09-458-791-7	Sequence 7, Appli	C 453	5	31.2	2224	1	US-08-404-732A-8	Sequence 8, Appli
C 381	5	31.2	1983	3	US-09-459-066-7	Sequence 7, Appli	C 454	5	31.2	2250	4	US-09-328-352-3462	Sequence 3462, Ap
C 382	5	31.2	1983	4	US-09-459-065-7	Sequence 7, Appli	C 455	5	31.2	2255	1	US-08-423-564-1	Sequence 1, Appli
C 383	5	31.2	1990	4	US-08-714-741-35	Sequence 35, Appl	C 456	5	31.2	2266	1	US-08-453-472-1	Sequence 1, Appli
C 384	5	31.2	1992	4	US-09-252-991A-6684	Sequence 6684, Ap	C 457	5	31.2	2266	1	US-08-453-952-1	Sequence 1, Appli
C 385	5	31.2	1993	1	US-08-487-890A-108	Sequence 108, App	C 458	5	31.2	2266	2	US-08-484-993B-42	Sequence 42, Appl
C 386	5	31.2	1993	2	US-08-478-435-108	Sequence 108, App	C 459	5	31.2	2266	2	US-08-862-903-1	Sequence 1, Appli
C 387	5	31.2	1993	2	US-08-337-483-108	Sequence 108, App	C 460	5	31.2	2266	2	US-08-484-158B-42	Sequence 42, Appl
C 388	5	31.2	1993	2	US-08-478-373-108	Sequence 108, App	C 461	5	31.2	2266	2	US-08-484-596A-42	Sequence 42, Appl
C 389	5	31.2	1993	3	US-08-474-671-108	Sequence 108, App	C 462	5	31.2	2266	2	US-08-480-150A-42	Sequence 42, Appl
C 390	5	31.2	1993	3	US-08-483-577A-108	Sequence 108, App	C 463	5	31.2	2266	3	US-08-458-731-42	Sequence 42, Appl
C 391	5	31.2	1993	3	US-08-897-438-108	Sequence 108, App	C 464	5	31.2	2266	3	US-08-149-223A-42	Sequence 42, Appl
C 392	5	31.2	1993	4	US-08-637-654-108	Sequence 108, App	C 465	5	31.2	2286	4	US-09-328-352-1524	Sequence 1524, Ap
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C 394	5	31.2	2004	1	US-08-471-033-6	Sequence 6, Appli	C 467	5	31.2	2287	3	US-08-990-571-8	Sequence 8, Appli
C 395	5	31.2	2004	2	US-08-471-044-6	Sequence 6, Appli	C 468	5	31.2	2287	4	US-08-723-142A-8	Sequence 8, Appli
C 396	5	31.2	2004	2	US-08-463-483A-6	Sequence 6, Appli	C 469	5	31.2	2287	4	US-09-528-784A-8	Sequence 8, Appli
C 397	5	31.2	2004	2	US-08-471-046A-6	Sequence 6, Appli	C 470	5	31.2	2287	4	US-09-569-098A-8	Sequence 8, Appli
C 398	5	31.2	2004	2	US-08-470-568B-6	Sequence 6, Appli	C 471	5	31.2	2306	1	US-08-378-698-3	Sequence 3, Appli
C 399	5	31.2	2004	2	US-08-469-334-6	Sequence 6, Appli	C 472	5	31.2	2306	5	PCT-US96-00728-3	Sequence 3, Appli
C 400	5	31.2	2004	3	US-09-300-529-6	Sequence 6, Appli	C 473	5	31.2	2380	6	5268463-1	Patent No. 5268463
C 401	5	31.2	2007	3	US-08-747-221B-36	Sequence 36, Appl	C 474	5	31.2	2387	4	US-09-602-628-11	Sequence 11, Appl
C 402	5	31.2	2007	3	US-08-747-221B-38	Sequence 38, Appl	C 475	5	31.2	2405	3	US-08-549-846-3	Sequence 3, Appli
C 403	5	31.2	2007	3	US-09-005-051-36	Sequence 36, Appl	C 476	5	31.2	2409	4	US-09-484-970B-101	Sequence 101, App
C 404	5	31.2	2007	3	US-09-005-051-38	Sequence 38, Appl	C 477	5	31.2	2417	4	US-08-976-259-4	Sequence 4, Appli
C 405	5	31.2	2026	3	US-08-714-918-103	Sequence 103, App	C 478	5	31.2	2432	3	US-08-974-022-1	Sequence 1, Appli
C 406	5	31.2	2026	3	US-09-265-315-103	Sequence 103, App	C 479	5	31.2	2432	3	US-08-795-445A-1	Sequence 1, Appli
C 407	5	31.2	2026	3	US-09-265-315-103	Sequence 103, App	C 480	5	31.2	2432	3	US-08-795-447A-1	Sequence 1, Appli
C 408	5	31.2	2026	3	US-09-266-417-103	Sequence 103, App	C 481	5	31.2	2432	3	US-08-974-186-1	Sequence 1, Appli
C 409	5	31.2	2028	4	US-09-252-991A-6614	Sequence 6614, Ap	C 482	5	31.2	2432	3	US-08-795-446B-1	Sequence 1, Appli
C 410	5	31.2	2029	3	US-09-136-574A-46	Sequence 46, Appl	C 483	5	31.2	2432	3	US-08-706-945D-123	Sequence 123, App
C 411	5	31.2	2047	4	US-09-453-702B-222	Sequence 222, App	C 484	5	31.2	2434	2	US-08-540-804-15	Sequence 15, Appl
C 412	5	31.2	2051	4	US-09-328-475C-334	Sequence 334, App	C 485	5	31.2	2434	2	US-08-218-265-15	Sequence 15, Appl
C 413	5	31.2	2060	3	US-09-370-807-1	Sequence 1, Appli	C 486	5	31.2	2434	3	US-08-521-872-15	Sequence 15, Appl
C 414	5	31.2	2060	4	US-09-921-259-1	Sequence 1, Appli	C 487	5	31.2	2434	3	US-08-590-399-15	Sequence 15, Appl
C 415	5	31.2	2073	4	US-09-252-991A-6616	Sequence 6616, Ap	C 488	5	31.2	2436	4	US-08-983-275-1	Sequence 1, Appli
C 416	5	31.2	2083	4	US-09-221-017B-938	Sequence 938, App	C 489	5	31.2	2438	6	5432081-1	Patent No. 5432081
C 417	5	31.2	2084	4	US-08-646-242-7	Sequence 7, Appli	C 490	5	31.2	2445	1	US-08-122-520C-8	Sequence 8, Appli
C 418	5	31.2	2085	1	US-08-072-070-1	Sequence 1, Appli	C 491	5	31.2	2520	4	US-08-961-527-14	Sequence 14, Appl
C 419	5	31.2	2085	1	US-08-465-746-1	Sequence 1, Appli	C 492	5	31.2	2569	1	US-08-631-607-1	Sequence 1, Appli
C 420	5	31.2	2085	1	US-08-214-164-1	Sequence 1, Appli	C 493	5	31.2	2569	4	US-09-098-358B-1	Sequence 1, Appli
C 421	5	31.2	2085	1	US-08-469-434-1	Sequence 1, Appli	C 494	5	31.2	2573	3	US-08-714-918-17	Sequence 17, Appl
C 422	5	31.2	2085	1	US-08-214-222-1	Sequence 1, Appli	C 495	5	31.2	2573	3	US-08-714-918-64	Sequence 64, Appl
C 423	5	31.2	2085	2	US-08-467-852A-1	Sequence 1, Appli	C 496	5	31.2	2573	3	US-09-265-315-17	Sequence 17, Appl
C 424	5	31.2	2085	2	US-08-468-718-1	Sequence 1, Appli	C 497	5	31.2	2573	3	US-09-265-315-64	Sequence 64, Appl
C 425	5	31.2	2085	2	US-08-246-636-1	Sequence 1, Appli	C 498	5	31.2	2573	3	US-09-265-315-17	Sequence 17, Appl
C 426	5	31.2	2085	2	US-08-247-491A-1	Sequence 1, Appli	C 499	5	31.2	2573	3	US-09-265-315-64	Sequence 64, Appl
C 427	5	31.2	2085	2	US-08-319-795-1	Sequence 1, Appli	C 500	5	31.2	2573	3	US-09-266-417-17	Sequence 17, Appl
C 428	5	31.2	2085	2	US-08-468-985-1	Sequence 1, Appli	C 501	5	31.2	2573	3	US-09-266-417-64	Sequence 64, Appl
C 429	5	31.2	2086	3	US-08-312-949-1	Sequence 1, Appli	C 502	5	31.2	2574	4	US-09-255-829-21	Sequence 21, Appl
C 430	5	31.2	2086	3	US-08-446-201-2	Sequence 2, Appli	C 503	5	31.2	2574	4	US-09-255-829-27	Sequence 27, Appl
C 431	5	31.2	2104	4	US-09-599-360B-28	Sequence 28, Appl	C 504	5	31.2	2613	4	US-09-016-434-1272	Sequence 1272, Ap
C 432	5	31.2	2106	4	US-09-252-991A-6717	Sequence 6717, Ap	C 505	5	31.2	2633	1	US-08-452-267-2	Sequence 2, Appli
C 433	5	31.2	2112	4	US-09-486-072-8	Sequence 8, Appli	C 506	5	31.2	2633	3	US-09-123-644-2	Sequence 2, Appli
C 434	5	31.2	2127	4	US-09-107-532A-2393	Sequence 2393, Ap	C 507	5	31.2	2635	4	US-09-484-617-3	Sequence 3, Appli
C 435	5	31.2	2128	4	US-09-675-305-13	Sequence 13, Appl	C 508	5	31.2	2636	3	US-09-370-807-5	Sequence 5, Appli
C 436	5	31.2	2133	4	US-09-107-532A-1413	Sequence 1413, Ap	C 509	5	31.2	2636	4	US-09-921-259-5	Sequence 5, Appli
C 437	5	31.2	2148	4	US-09-107-532A-565	Sequence 565, App	C 510	5	31.2	2645	3	US-08-960-780-31	Sequence 31, Appl
C 438	5	31.2	2160	2	US-08-840-236-2	Sequence 2, Appli	C 511	5	31.2	2645	3	US-09-073-898-31	Sequence 31, Appl
C 439	5	31.2	2160	2	US-08-840-236-5	Sequence 5, Appli	C 512	5	31.2	2645	3	US-09-371-913A-1	Sequence 1, Appli
C 440	5	31.2	2160	2	US-08-505-448A-2	Sequence 2, Appli	C 513	5	31.2	2651	4	US-08-961-527-216	Sequence 216, App
C 441	5	31.2	2160	2	US-08-505-448A-5	Sequence 5, Appli	C 514	5	31.2	2655	1	US-08-471-033-4	Sequence 4, Appli
C 442	5	31.2	2161	1	US-08-399-646-11	Sequence 11, Appl	C 515	5	31.2	2655	2	US-08-471-044-4	Sequence 4, Appli
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C 444	5	31.2	2161	2	US-08-961-240-11	Sequence 11, Appl	C 517	5	31.2	2655	2	US-08-471-046A-4	Sequence 4, Appli
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C 447	5	31.2	2162	4	US-09-612-473-9	Sequence 9, Appli	C 520	5	31.2	2655	3	US-09-300-529-4	Sequence 4, Appli
C 448	5	31.2	2167	4	US-09-242-435-1	Sequence 1, Appli	C 521	5	31.2	2659	4	US-09-908-594-57	Sequence 57, Appl
C 449	5	31.2	2175	4	US-09-107-532A-3382	Sequence 3382, Ap	C 522	5	31.2	2676	4	US-09-484-970B-41	Sequence 41, Appl
C 450	5	31.2	2183	4	US-09-153-277-1	Sequence 1, Appli	C 523	5	31.2	2699	4	US-09-336-115C-3	Sequence 3, Appli

C 524	5	31.2	2702	4	US-08-987-146-4	Sequence 4, Appl	C 597	S	31.2	4041	2	US-08-469-334-22	Sequence 22, Appl
C 525	5	31.2	2715	4	US-09-340-620A-53	Sequence 53, Appl	C 598	S	31.2	4041	3	US-09-300-529-22	Sequence 22, Appl
C 526	5	31.2	2718	3	US-09-074-658-69	Sequence 69, Appl	C 599	S	31.2	4071	4	US-09-513-057C-5	Sequence 5, Appl
C 527	5	31.2	2736	4	US-09-252-991A-3358	Sequence 3358, Ap	C 600	S	31.2	4106	2	US-08-702-572-14	Sequence 14, Appl
C 528	5	31.2	2739	4	US-09-134-001C-156	Sequence 156, App	C 601	S	31.2	4165	1	US-08-095-737-1	Sequence 1, Appl
C 529	5	31.2	2787	4	US-09-328-352-977	Sequence 977, App	C 602	S	31.2	4165	1	US-08-480-145-1	Sequence 1, Appl
C 530	5	31.2	2802	1	US-08-215-805A-79	Sequence 79, App	C 603	S	31.2	4165	2	US-08-477-389-1	Sequence 1, Appl
C 531	5	31.2	2807	4	US-09-453-702B-51	Sequence 51, Appl	C 604	S	31.2	4256	1	US-08-505-509-31	Sequence 31, Appl
C 532	5	31.2	2809	1	US-08-484-105-3	Sequence 3, Appl	C 605	S	31.2	4256	2	US-08-491-690A-31	Sequence 31, Appl
C 533	5	31.2	2809	1	US-08-484-106-3	Sequence 3, Appl	C 606	S	31.2	4284	1	US-08-525-507-14	Sequence 14, Appl
C 534	5	31.2	2815	1	US-08-230-491A-1	Sequence 1, Appl	C 607	S	31.2	4362	2	US-08-455-073A-1	Sequence 1, Appl
C 535	5	31.2	2815	1	US-08-619-280A-1	Sequence 1, Appl	C 608	S	31.2	4407	4	US-08-976-259-75	Sequence 75, Appl
C 536	5	31.2	2815	2	US-08-940-391-1	Sequence 1, Appl	C 609	S	31.2	4499	4	US-09-620-312D-678	Sequence 678, App
C 537	5	31.2	2848	1	US-08-805-918-1	Sequence 1, Appl	C 610	S	31.2	4499	4	US-09-620-312D-679	Sequence 679, App
C 538	5	31.2	2870	1	US-08-468-036-28	Sequence 28, Appl	C 611	S	31.2	4544	4	US-09-488-270A-1	Sequence 1, Appl
C 539	5	31.2	2870	2	US-08-376-843-28	Sequence 28, Appl	C 612	S	31.2	4544	4	US-09-488-270A-1	Sequence 1, Appl
C 540	5	31.2	2900	4	US-09-066-047-17	Sequence 17, Appl	C 613	S	31.2	4629	2	US-08-484-891-7	Sequence 7, Appl
C 541	5	31.2	2955	4	US-09-350-457A-3	Sequence 3, Appl	C 614	S	31.2	4670	3	US-08-717-294-41	Sequence 41, Appl
C 542	5	31.2	2966	4	US-09-569-098A-103	Sequence 103, App	C 615	S	31.2	4673	1	US-07-638-431-1	Sequence 1, Appl
C 543	5	31.2	3001	4	US-09-539-333D-171	Sequence 171, App	C 616	S	31.2	4673	5	PCT-US92-00018-1	Sequence 1, Appl
C 544	5	31.2	3035	2	US-08-723-624-18	Sequence 18, Appl	C 617	S	31.2	4724	4	US-09-620-312D-677	Sequence 677, App
C 545	5	31.2	3055	1	US-08-236-754-1	Sequence 1, Appl	C 618	S	31.2	4732	6	5521093-4	Patent No. 5521093
C 546	5	31.2	3060	4	US-09-115-150-1	Sequence 1, Appl	C 619	S	31.2	4884	4	US-09-328-352-2478	Sequence 2478, Ap
C 547	5	31.2	3061	4	US-09-620-312D-140	Sequence 140, App	C 620	S	31.2	4884	3	US-09-470-618-14	Sequence 14, Appl
C 548	5	31.2	3081	3	US-09-319-989-9	Sequence 9, Appl	C 621	S	31.2	4999	3	US-09-364-862-14	Sequence 14, Appl
C 549	5	31.2	3095	6	5231168-1	Patent No. 5231168	C 622	S	31.2	5035	2	US-08-882-083-1	Sequence 1, Appl
C 550	5	31.2	3108	3	US-08-968-752B-3	Sequence 3, Appl	C 623	S	31.2	5035	2	US-08-558-107-1	Sequence 1, Appl
C 551	5	31.2	3108	4	US-09-536-224-3	Sequence 3, Appl	C 624	S	31.2	5035	3	US-09-243-539-1	Sequence 1, Appl
C 552	5	31.2	3114	3	US-09-107-149-18	Sequence 18, Appl	C 625	S	31.2	5055	4	US-09-242-632A-13	Sequence 13, Appl
C 553	5	31.2	3169	3	US-08-630-820-5	Sequence 5, Appl	C 626	S	31.2	5102	4	US-09-620-312D-141	Sequence 141, App
C 554	5	31.2	3198	4	US-09-328-352-9338	Sequence 3938, Ap	C 627	S	31.2	5157	2	US-08-474-169-7	Sequence 7, Appl
C 555	5	31.2	3222	3	US-08-968-752B-1	Sequence 1, Appl	C 628	S	31.2	5252	4	US-09-340-620A-51	Sequence 51, Appl
C 556	5	31.2	3222	4	US-09-536-224-1	Sequence 1, Appl	C 629	S	31.2	5305	4	US-08-961-527-135	Sequence 135, App
C 557	5	31.2	3255	4	US-09-601-198-108	Sequence 108, App	C 630	S	31.2	5405	3	US-09-282-996-1	Sequence 1, Appl
C 558	5	31.2	3255	4	US-09-601-198-108	Sequence 108, App	C 631	S	31.2	5406	4	US-08-961-527-166	Sequence 166, App
C 559	5	31.2	3260	4	US-09-221-017B-980	Sequence 980, App	C 632	S	31.2	5427	3	US-09-282-996-2	Sequence 2, Appl
C 560	5	31.2	3262	4	US-09-620-312D-139	Sequence 139, App	C 633	S	31.2	5433	3	US-08-929-329-1	Sequence 1, Appl
C 561	5	31.2	3340	4	US-09-021-560-1	Sequence 1, Appl	C 634	S	31.2	5529	3	US-08-869-696-1	Sequence 1, Appl
C 562	5	31.2	3345	4	US-09-107-532A-1602	Sequence 1602, Ap	C 635	S	31.2	5534	1	US-08-452-267-3	Sequence 3, Appl
C 563	5	31.2	3360	4	US-09-319-989-8	Sequence 8, Appl	C 636	S	31.2	5534	3	US-09-123-644-3	Sequence 3, Appl
C 564	5	31.2	3396	4	US-09-601-198-74	Sequence 74, Appl	C 637	S	31.2	5560	3	US-08-817-188-5	Sequence 5, Appl
C 565	5	31.2	3434	4	US-09-439-313-476	Sequence 476, App	C 638	S	31.2	5620	2	US-08-793-170-21	Sequence 21, Appl
C 566	5	31.2	3457	1	US-08-295-882-1	Sequence 1, Appl	C 639	S	31.2	5620	3	US-08-892-873-21	Sequence 21, Appl
C 567	5	31.2	3463	4	US-09-189-462-3	Sequence 3, Appl	C 640	S	31.2	5620	3	US-09-334-765A-21	Sequence 21, Appl
C 568	5	31.2	3463	4	US-09-533-220A-1	Sequence 1, Appl	C 641	S	31.2	5620	3	US-09-356-575B-21	Sequence 21, Appl
C 569	5	31.2	3467	4	US-09-298-524-3	Sequence 3, Appl	C 642	S	31.2	5620	4	US-09-333-820-21	Sequence 21, Appl
C 570	5	31.2	3481	3	US-08-965-729A-1	Sequence 1, Appl	C 643	S	31.2	5642	1	US-08-318-772A-2	Sequence 2, Appl
C 571	5	31.2	3503	4	US-09-328-352-2331	Sequence 2331, Ap	C 644	S	31.2	5757	3	US-08-984-618-1	Sequence 1, Appl
C 572	5	31.2	3509	4	US-09-255-829-19	Sequence 19, Appl	C 645	S	31.2	5789	3	US-08-862-431-32	Sequence 32, Appl
C 573	5	31.2	3546	3	US-08-872-757-3	Sequence 3, Appl	C 646	S	31.2	5791	3	US-08-862-431-31	Sequence 31, Appl
C 574	5	31.2	3546	4	US-09-850-048A-3	Sequence 3, Appl	C 647	S	31.2	5793	3	US-08-862-431-29	Sequence 29, Appl
C 575	5	31.2	3585	3	US-08-549-846-2	Sequence 2, Appl	C 648	S	31.2	5793	3	US-08-862-431-30	Sequence 30, Appl
C 576	5	31.2	3701	3	US-08-845-258-10	Sequence 10, Appl	C 649	S	31.2	5801	2	US-09-177-249-5	Sequence 5, Appl
C 577	5	31.2	3701	3	US-08-990-571-10	Sequence 10, Appl	C 650	S	31.2	5818	2	US-08-536-559A-3	Sequence 3, Appl
C 578	5	31.2	3701	4	US-08-723-142A-10	Sequence 10, Appl	C 651	S	31.2	5819	2	US-08-536-559A-2	Sequence 2, Appl
C 579	5	31.2	3701	4	US-09-528-784A-10	Sequence 10, Appl	C 652	S	31.2	5819	3	US-08-862-431-27	Sequence 27, Appl
C 580	5	31.2	3701	4	US-09-569-098A-10	Sequence 10, Appl	C 653	S	31.2	5819	4	US-08-862-431-28	Sequence 28, Appl
C 581	5	31.2	3706	4	US-08-913-159-9	Sequence 9, Appl	C 654	S	31.2	5829	4	US-09-439-313-473	Sequence 473, App
C 582	5	31.2	3752	4	US-08-961-527-208	Sequence 208, App	C 655	S	31.2	5872	3	US-08-411-768B-1	Sequence 1, Appl
C 583	5	31.2	3765	3	US-07-705-490-1	Sequence 1, Appl	C 656	S	31.2	5872	3	US-08-411-768B-6	Sequence 6, Appl
C 584	5	31.2	3765	3	US-07-751-891B-1	Sequence 1, Appl	C 657	S	31.2	5897	4	US-09-097-319A-26	Sequence 26, Appl
C 585	5	31.2	3824	2	US-08-723-624-19	Sequence 19, Appl	C 658	S	31.2	5938	2	US-08-536-559A-4	Sequence 4, Appl
C 586	5	31.2	3831	4	US-08-961-527-291	Sequence 291, App	C 659	S	31.2	5973	3	US-09-245-041-4	Sequence 4, Appl
C 587	5	31.2	3848	1	US-08-215-805A-1	Sequence 1, Appl	C 660	S	31.2	6008	1	US-07-789-915A-5	Sequence 5, Appl
C 588	5	31.2	3989	1	US-08-327-494A-1	Sequence 1, Appl	C 661	S	31.2	6008	1	US-08-005-002C-5	Sequence 5, Appl
C 589	5	31.2	3989	1	US-08-327-494A-3	Sequence 3, Appl	C 662	S	31.2	6008	1	US-08-487-203A-5	Sequence 5, Appl
C 590	5	31.2	3989	5	PCT-US95-13659-1	Sequence 1, Appl	C 663	S	31.2	6044	1	US-08-316-950-18	Sequence 18, Appl
C 591	5	31.2	3989	5	PCT-US95-13659-3	Sequence 3, Appl	C 664	S	31.2	6044	5	PCT-US95-12642-18	Sequence 18, Appl
C 592	5	31.2	4041	1	US-08-471-033-22	Sequence 22, Appl	C 665	S	31.2	6047	1	US-08-316-950-12	Sequence 12, Appl
C 593	5	31.2	4041	2	US-08-471-044-22	Sequence 22, Appl	C 666	S	31.2	6047	5	PCT-US95-12642-12	Sequence 12, Appl
C 594	5	31.2	4041	2	US-08-463-483A-22	Sequence 22, Appl	C 667	S	31.2	6049	1	US-08-471-033-1	Sequence 1, Appl
C 595	5	31.2	4041	2	US-08-471-046A-22	Sequence 22, Appl	C 668	S	31.2	6049	2	US-08-471-044-1	Sequence 1, Appl
C 596	5	31.2	4041	2	US-08-470-566B-22	Sequence 22, Appl	C 669	S	31.2	6049	2	US-08-463-483A-1	Sequence 1, Appl

C 670	5	31.2	6049	2	US-08-471-046A-1	Sequence 1, Appli	743	5	31.2	9408	4	US-09-097-319A-16	Sequence 16, Appl
C 671	5	31.2	6049	2	US-08-470-566B-1	Sequence 1, Appli	C 744	5	31.2	9578	4	US-08-961-527-127	Sequence 127, App
C 672	5	31.2	6049	2	US-08-469-334-1	Sequence 1, Appli	C 745	5	31.2	9641	2	US-08-374-483-3	Sequence 3, Appli
C 673	5	31.2	6049	3	US-09-300-529-1	Sequence 1, Appli	C 746	5	31.2	9704	4	US-09-814-951A-3	Sequence 3, Appli
C 674	5	31.2	6092	2	US-08-536-559A-1	Sequence 1, Appli	C 747	5	31.2	9785	1	US-08-319-387-1	Sequence 1, Appli
C 675	5	31.2	6092	3	US-08-862-431-26	Sequence 26, Appl	C 748	5	31.2	9828	4	US-08-961-527-41	Sequence 41, Appl
C 676	5	31.2	6171	1	US-08-316-950-17	Sequence 17, Appl	C 749	5	31.2	9897	4	US-08-961-527-10	Sequence 10, Appl
C 677	5	31.2	6171	5	PCT-US95-12642-17	Sequence 17, Appl	750	5	31.2	10160	4	US-09-097-319A-8	Sequence 8, Appli
C 678	5	31.2	6420	2	US-08-374-483-1	Sequence 1, Appli	C 751	5	31.2	10160	4	US-09-097-319A-8	Sequence 8, Appli
C 679	5	31.2	6506	4	US-09-453-702B-1	Sequence 1, Appli	752	5	31.2	10207	1	US-08-920-812-2	Sequence 2, Appli
C 680	5	31.2	6527	4	US-09-492-308A-3	Sequence 3, Appli	753	5	31.2	10207	1	US-08-920-827-2	Sequence 2, Appli
C 681	5	31.2	6529	3	US-08-789-329C-1	Sequence 1, Appli	754	5	31.2	10207	1	US-08-921-177-2	Sequence 2, Appli
C 682	5	31.2	6574	4	US-09-221-017B-1097	Sequence 1097, Ap	755	5	31.2	10207	1	US-08-362-577C-2	Sequence 2, Appli
C 683	5	31.2	6799	4	US-09-620-312D-299	Sequence 299, App	756	5	31.2	10207	2	US-08-920-828-2	Sequence 2, Appli
C 684	5	31.2	6898	4	US-09-097-319A-27	Sequence 27, Appl	757	5	31.2	10690	4	US-08-961-527-93	Sequence 93, Appl
C 685	5	31.2	6999	1	US-08-276-594A-1	Sequence 1, Appli	C 758	5	31.2	11091	4	US-09-134-001C-2243	Sequence 2243, Ap
C 686	5	31.2	7056	1	US-08-121-202-1	Sequence 1, Appli	C 759	5	31.2	11303	4	US-08-961-527-115	Sequence 115, App
C 687	5	31.2	7215	4	US-09-134-001C-627	Sequence 627, App	C 760	5	31.2	11616	1	US-08-196-259-2	Sequence 2, Appli
C 688	5	31.2	7244	3	US-08-378-313-26	Sequence 26, Appl	C 761	5	31.2	11707	3	US-09-136-574A-1	Sequence 1, Appli
C 689	5	31.2	7244	3	US-08-378-313-26	Sequence 26, Appl	C 762	5	31.2	11784	4	US-09-097-319A-9	Sequence 9, Appli
C 690	5	31.2	7308	3	US-09-011-745-3	Sequence 3, Appli	C 763	5	31.2	11784	4	US-09-097-319A-9	Sequence 9, Appli
C 691	5	31.2	7308	3	US-09-011-745-4	Sequence 4, Appli	C 764	5	31.2	11933	3	US-09-470-618-13	Sequence 13, Appl
C 692	5	31.2	7486	4	US-09-077-098A-5	Sequence 5, Appli	C 765	5	31.2	11933	3	US-09-364-862-13	Sequence 13, Appl
C 693	5	31.2	7616	3	US-09-011-745-2	Sequence 2, Appli	C 766	5	31.2	11991	4	US-09-097-319A-10	Sequence 10, Appl
C 694	5	31.2	7653	2	US-08-394-189B-1	Sequence 1, Appli	C 767	5	31.2	11991	4	US-09-097-319A-10	Sequence 10, Appl
C 695	5	31.2	7653	3	US-08-358-287B-1	Sequence 1, Appli	C 768	5	31.2	12225	2	US-08-822-445-11	Sequence 11, Appl
C 696	5	31.2	7653	3	US-08-368-704C-1	Sequence 1, Appli	C 769	5	31.2	12225	4	US-09-396-540-11	Sequence 11, Appl
C 697	5	31.2	7653	5	PCT-US93-05701-18	Sequence 18, Appl	C 770	5	31.2	12571	4	US-09-322-478-20	Sequence 20, Appl
C 698	5	31.2	7653	5	PCT-US93-05705-1	Sequence 1, Appli	C 771	5	31.2	12616	2	US-08-822-445-9	Sequence 9, Appli
C 699	5	31.2	7742	2	US-08-882-704A-4	Sequence 4, Appli	C 772	5	31.2	12616	4	US-09-396-540-9	Sequence 9, Appli
C 700	5	31.2	7742	4	US-09-151-957-4	Sequence 4, Appli	C 773	5	31.2	13188	4	US-08-961-527-70	Sequence 70, Appl
C 701	5	31.2	7939	4	US-08-961-527-9	Sequence 9, Appli	C 774	5	31.2	14044	3	US-08-652-877-85	Sequence 85, Appl
C 702	5	31.2	7959	4	US-09-231-899-77	Sequence 77, Appl	C 775	5	31.2	14044	3	US-08-652-877-89	Sequence 89, Appl
C 703	5	31.2	8012	3	US-09-182-117-1	Sequence 1, Appli	C 776	5	31.2	14080	3	US-08-652-877-87	Sequence 87, Appl
C 704	5	31.2	8012	4	US-09-434-039A-1	Sequence 1, Appli	C 777	5	31.2	14083	3	US-08-476-515A-83	Sequence 83, Appl
C 705	5	31.2	8106	3	US-09-135-241-1	Sequence 1, Appli	C 778	5	31.2	14086	3	US-08-652-877-83	Sequence 83, Appl
C 706	5	31.2	8195	4	US-08-961-527-94	Sequence 94, Appl	C 779	5	31.2	14176	1	US-08-307-499-1	Sequence 1, Appli
C 707	5	31.2	8202	1	US-08-258-420-13	Sequence 13, Appl	C 780	5	31.2	14176	1	US-08-307-499-14	Sequence 14, Appl
C 708	5	31.2	8241	6	5171844-1	Patent No. 5171844	C 781	5	31.2	14176	3	US-09-299-268-1	Sequence 1, Appli
C 709	5	31.2	8302	4	US-09-234-827B-1	Sequence 1, Appli	C 782	5	31.2	14176	3	US-09-299-268-14	Sequence 14, Appl
C 710	5	31.2	8332	3	US-08-850-961-1	Sequence 1, Appli	C 783	5	31.2	14187	4	US-09-453-702B-121	Sequence 121, App
C 711	5	31.2	8332	4	US-09-479-776-1	Sequence 1, Appli	C 784	5	31.2	14683	2	US-08-819-866-1	Sequence 1, Appli
C 712	5	31.2	8332	4	US-09-309-572-11	Sequence 11, Appl	C 785	5	31.2	14683	2	US-09-023-715-1	Sequence 1, Appli
C 713	5	31.2	8332	4	US-09-315-127-1	Sequence 1, Appli	C 786	5	31.2	14683	4	US-09-343-485A-1	Sequence 1, Appli
C 714	5	31.2	8332	4	US-09-265-013-1	Sequence 1, Appli	C 787	5	31.2	15016	4	US-09-601-198-60	Sequence 60, Appl
C 715	5	31.2	8332	4	US-09-554-572-25	Sequence 25, Appl	C 788	5	31.2	15144	3	US-08-458-434A-6	Sequence 6, Appli
C 716	5	31.2	8351	1	US-08-198-446B-14	Sequence 14, Appl	C 789	5	31.2	15213	4	US-08-961-527-26	Sequence 26, Appl
C 717	5	31.2	8351	2	US-08-870-693-14	Sequence 14, Appl	C 790	5	31.2	15222	2	US-08-801-898A-23	Sequence 23, Appl
C 718	5	31.2	8355	3	US-08-406-030A-23	Sequence 23, Appl	C 791	5	31.2	15222	3	US-08-962-690-12	Sequence 12, Appl
C 719	5	31.2	8387	2	US-08-532-814-1	Sequence 1, Appli	C 792	5	31.2	15223	2	US-08-892-403A-1	Sequence 1, Appli
C 720	5	31.2	8388	4	US-09-225-509-1	Sequence 1, Appli	C 793	5	31.2	15223	3	US-08-720-132-1	Sequence 1, Appli
C 721	5	31.2	8418	3	US-09-182-117-5	Sequence 5, Appli	C 794	5	31.2	15567	4	US-09-627-376-3	Sequence 3, Appli
C 722	5	31.2	8418	4	US-09-434-039A-5	Sequence 5, Appli	C 795	5	31.2	16950	4	US-09-453-702B-166	Sequence 166, App
C 723	5	31.2	8439	4	US-09-221-017B-473	Sequence 473, App	C 796	5	31.2	18986	2	US-08-819-866-2	Sequence 2, Appli
C 724	5	31.2	8543	3	US-08-496-944-1	Sequence 1, Appli	C 797	5	31.2	18986	2	US-09-023-715-2	Sequence 2, Appli
C 725	5	31.2	8798	3	US-09-182-117-4	Sequence 4, Appli	C 798	5	31.2	18986	4	US-09-343-485A-2	Sequence 2, Appli
C 726	5	31.2	8798	4	US-09-434-039A-4	Sequence 4, Appli	C 799	5	31.2	19040	4	US-09-343-485A-3	Sequence 3, Appli
C 727	5	31.2	8930	4	US-09-077-098A-1	Sequence 1, Appli	C 800	5	31.2	19227	3	US-09-090-793-13	Sequence 13, Appl
C 728	5	31.2	8967	1	US-08-366-851A-1	Sequence 1, Appli	C 801	5	31.2	19227	4	US-09-231-899-13	Sequence 13, Appl
C 729	5	31.2	9009	1	US-07-864-004B-3	Sequence 3, Appli	C 802	5	31.2	20598	4	US-09-593-995-10	Sequence 10, Appl
C 730	5	31.2	9009	1	US-08-251-937A-3	Sequence 3, Appli	C 803	5	31.2	21706	4	US-08-961-527-36	Sequence 36, Appl
C 731	5	31.2	9009	1	US-08-212-133A-1	Sequence 1, Appli	C 804	5	31.2	22108	3	US-09-053-197A-3	Sequence 3, Appli
C 732	5	31.2	9009	1	US-08-474-503-1	Sequence 1, Appli	C 805	5	31.2	22108	4	US-09-085-761A-3	Sequence 3, Appli
C 733	5	31.2	9009	2	US-08-670-707A-1	Sequence 1, Appli	C 806	5	31.2	22846	2	US-08-469-461-3	Sequence 3, Appli
C 734	5	31.2	9009	3	US-09-037-601-1	Sequence 1, Appli	C 807	5	31.2	22846	3	US-07-890-609-3	Sequence 3, Appli
C 735	5	31.2	9009	4	US-09-315-179-1	Sequence 1, Appli	C 808	5	31.2	30549	4	US-09-134-001C-322	Sequence 322, App
C 736	5	31.2	9009	4	US-09-523-656-1	Sequence 1, Appli	C 809	5	31.2	31328	4	US-09-215-694-19	Sequence 19, Appl
C 737	5	31.2	9009	5	PCT-US93-03275-3	Sequence 3, Appli	C 810	5	31.2	32798	4	US-09-604-694B-1	Sequence 1, Appli
C 738	5	31.2	9009	5	PCT-US94-13200-1	Sequence 1, Appli	C 811	5	31.2	36941	4	US-08-311-731A-130	Sequence 130, App
C 739	5	31.2	9048	4	US-08-961-527-159	Sequence 159, App	C 812	5	31.2	40000	4	US-09-780-049-18	Sequence 18, Appl
C 740	5	31.2	9299	4	US-09-097-319A-15	Sequence 15, Appl	C 813	5	31.2	40138	3	US-09-090-793-12	Sequence 12, Appl
C 741	5	31.2	9335	4	US-09-097-319A-19	Sequence 19, Appl	C 814	5	31.2	40138	4	US-09-231-899-12	Sequence 12, Appl
C 742	5	31.2	9354	1	US-08-683-839B-2	Sequence 2, Appli	C 815	5	31.2	40429	4	US-08-311-731A-125	Sequence 125, App


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962      4 25.0 29 3 US-09-218-114A-4 Sequence 4, Appli
c 963      4 25.0 29 4 US-09-543-513-19 Sequence 19, Appl
c 964      4 25.0 29 5 PCT-US95-04803-20 Sequence 20, Appl
965      4 25.0 30 1 US-08-198-670A-3 Sequence 3, Appli
c 966      4 25.0 30 2 US-08-629-001A-132 Sequence 132, App
c 967      4 25.0 30 3 US-09-012-097A-32 Sequence 32, Appl
c 968      4 25.0 30 3 US-08-642-274D-211 Sequence 211, App
969      4 25.0 30 4 US-09-364-539-144 Sequence 144, App
c 970      4 25.0 30 4 US-09-481-620A-50 Sequence 50, Appl
971      4 25.0 30 5 PCT-US93-09695-3 Sequence 3, Appli
c 972      4 25.0 31 1 US-08-289-709-3 Sequence 3, Appli
c 973      4 25.0 31 1 US-08-602-656-3 Sequence 3, Appli
c 974      4 25.0 31 2 US-08-629-001A-29 Sequence 29, Appl
c 975      4 25.0 31 3 US-09-282-996-7 Sequence 7, Appli
c 976      4 25.0 31 3 US-08-642-274D-108 Sequence 108, App
c 977      4 25.0 31 4 US-09-225-990-10 Sequence 10, Appl
c 978      4 25.0 32 4 US-09-534-407-31 Sequence 31, Appl
979      4 25.0 32 4 US-09-007-288E-139 Sequence 139, App
980      4 25.0 32 4 US-09-999-201B-31 Sequence 31, Appl
981      4 25.0 32 4 US-08-134-231C-9 Sequence 9, Appli
982      4 25.0 32 4 US-09-269-262B-13 Sequence 13, Appl
983      4 25.0 33 3 US-08-892-747-31 Sequence 31, Appl
c 984      4 25.0 34 1 US-08-706-037-14 Sequence 14, Appl
c 985      4 25.0 34 2 US-08-174-672D-25 Sequence 25, Appl
c 986      4 25.0 34 2 US-09-005-397-14 Sequence 14, Appl
c 987      4 25.0 34 4 US-09-072-596-347 Sequence 347, App
c 988      4 25.0 35 1 US-08-367-122-51 Sequence 51, Appl
c 989      4 25.0 35 3 US-07-865-169-5 Sequence 5, Appli
c 990      4 25.0 36 1 US-08-118-101A-15 Sequence 15, Appl
c 991      4 25.0 36 1 US-08-556-124-5 Sequence 5, Appli
c 992      4 25.0 37 3 US-08-685-871-7 Sequence 7, Appli
c 993      4 25.0 39 1 US-08-121-202-16 Sequence 16, Appl
c 994      4 25.0 39 3 US-09-248-588-71 Sequence 71, Appl
995      4 25.0 40 1 US-07-741-940-23 Sequence 23, Appl
996      4 25.0 40 1 US-08-289-548A-23 Sequence 23, Appl
997      4 25.0 40 1 US-08-452-654-23 Sequence 23, Appl
998      4 25.0 40 1 US-08-452-655B-23 Sequence 23, Appl
c 999      4 25.0 40 2 US-08-184-009-185 Sequence 185, App
c1000     4 25.0 40 2 US-08-184-009-190 Sequence 190, App
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ALIGNMENTS

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RESULT 1
US-09-107-532A-990/c
; Sequence 990, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 7310
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660
; COMPUTER: PC
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,532A
; FILING DATE: 30-Jun-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/085,598
; FILING DATE: 14 May 1998
; APPLICATION NUMBER: 60/051571
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Deneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-012
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 990:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 864 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: circular
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Enterococcus faecium
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (B) LOCATION 1...864
; SEQUENCE DESCRIPTION: SEQ ID NO: 990:
US-09-107-532A-990
Alignment Scores:
Pred. No.: 4.89 Length: 864
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 43.75% Indels: 0
DB: 4 Gaps: 0
US-09-854-133-587 (1-16) x US-09-107-532A-990 (1-864)
QY 6 GlycileAspPheIleIlePhe 12
Db 255 GGAATAGATTTCATTATTTT 235
RESULT 2
US-09-222-575-101
; Sequence 101, Application US/09222575
; Patent No. 6387697
; GENERAL INFORMATION:
; APPLICANT: Yugu, Jiang
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: Compositions for the Treatment and Diagnosis of Breast Cancer
; FILE REFERENCE: 210121.470
; CURRENT APPLICATION NUMBER: US/09/222,575
; CURRENT FILING DATE: 1998-12-28
; NUMBER OF SEQ ID NOS: 174
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 101
; LENGTH: 277
; TYPE: DNA
; ORGANISM: Human
US-09-222-575-101
Alignment Scores:
Pred. No.: 25.4 Length: 277
Score: 6.00 Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.50% Indels: 0
DB: 4 Gaps: 0
US-09-854-133-587 (1-16) x US-09-222-575-101 (1-277)
QY 10 IleIlePheTrpIlePhe 15
Db 96 ATTATATTTTGGATCTTC 113
```

RESULT 3

US-09-389-681-101
; Sequence 101, Application US/09389681A
; Patent No. 6518237
; GENERAL INFORMATION:
; APPLICANT: Yuqui, Jiang
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: COMPOSITIONS FOR THE TREATMENT AND
; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.470C3
; CURRENT APPLICATION NUMBER: US/09/389,681A
; CURRENT FILING DATE: 1999-09-02
; NUMBER OF SEQ ID NOS: 463
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 101
; LENGTH: 277
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-389-681-101

Alignment Scores:
Pred. No.: 25.4 Length: 277
Score: 6.00 Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.50% Indels: 0
DB: 4 Gaps: 0

US-09-854-133-587 (1-16) x US-09-389-681-101 (1-277)

Qy 10 IleIlePheTrpIlePhe 15
|||
Db 96 ATTATATTTGGATCTTC 113

RESULT 4

US-09-620-405B-101
; Sequence 101, Application US/09620405B
; Patent No. 6528054
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yuqui
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Hepler, William T.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER
; FILE REFERENCE: 210121.470C8
; CURRENT APPLICATION NUMBER: US/09/620,405B
; CURRENT FILING DATE: 2000-07-20
; NUMBER OF SEQ ID NOS: 495
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 101
; LENGTH: 277
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-620-405B-101

Alignment Scores:
Pred. No.: 25.4 Length: 277
Score: 6.00 Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.50% Indels: 0
DB: 4 Gaps: 0

US-09-854-133-587 (1-16) x US-09-620-405B-101 (1-277)

Qy 10 IleIlePheTrpIlePhe 15
|||
Db 96 ATTATATTTGGATCTTC 113

RESULT 5

US-09-339-338-101
; Sequence 101, Application US/09339338A
; Patent No. 6573368
; GENERAL INFORMATION:
; APPLICANT: Yuqui, Jiang
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: COMPOSITIONS FOR THE TREATMENT AND
; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.470C2
; CURRENT APPLICATION NUMBER: US/09/339,338A
; CURRENT FILING DATE: 1999-06-23
; NUMBER OF SEQ ID NOS: 315
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 101
; LENGTH: 277
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-339-338-101

Alignment Scores:
Pred. No.: 25.4 Length: 277
Score: 6.00 Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.50% Indels: 0
DB: 4 Gaps: 0

US-09-854-133-587 (1-16) x US-09-339-338-101 (1-277)

Qy 10 IleIlePheTrpIlePhe 15
|||
Db 96 ATTATATTTGGATCTTC 113

RESULT 6

US-09-433-826B-101
; Sequence 101, Application US/09433826B
; Patent No. 6579973
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yuqui
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Harlocker, Susan L.
; TITLE OF INVENTION: COMPOSITIONS FOR THE TREATMENT AND
; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.470C4
; CURRENT APPLICATION NUMBER: US/09/433,826B
; CURRENT FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 474
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 101
; LENGTH: 277
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-433-826B-101

Alignment Scores:
Pred. No.: 25.4 Length: 277
Score: 6.00 Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.50% Indels: 0
DB: 4 Gaps: 0

US-09-854-133-587 (1-16) x US-09-433-826B-101 (1-277)

Qy 10 IleIlePheTrpIlePhe 15
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Db 96 ATTATATTTGGATCTTC 113


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RESULT 7.
US-09-604-287A-101
; Sequence 101, Application US/09604287A
; Patent No. 6586572
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Hepler, William T.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER
; FILE REFERENCE: 210121.470C7
; CURRENT APPLICATION NUMBER: US/09/604,287A
; CURRENT FILING DATE: 2000-06-22
; NUMBER OF SEQ ID NOS: 489
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 101
; LENGTH: 277
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-604-287A-101

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Alignment Scores:
Pred. No.: 25.4 Length: 277
Score: 6.00 Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.50% Indels: 0
DB: 4 Gaps: 0

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US-09-854-133-587 (1-16) x US-09-604-287A-101 (1-277)

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QY 10 IleIlePheTrpIlePhe 15
Db 96 ATTATATTGGATCTTC 113

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RESULT 8
US-09-328-352-3953
; Sequence 3953, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
; TITLE OF INVENTION: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GTC99-03PA
; CURRENT APPLICATION NUMBER: US/09/328,352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 3953
; LENGTH: 921
; TYPE: DNA
; ORGANISM: Acinetobacter baumannii
US-09-328-352-3953

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```

Alignment Scores:
Pred. No.: 72.4 Length: 921
Score: 6.00 Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.50% Indels: 0
DB: 4 Gaps: 0

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US-09-854-133-587 (1-16) x US-09-328-352-3953 (1-921)

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QY 6 GlyIleAspPheIleIle 11
Db 583 GGTATTGATTTTATTATT 600

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RESULT 9
US-09-107-532A-2698/c

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; Sequence 2698, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 7310
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660
; COMPUTER: PC
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: 60/085,598
; FILING DATE: 14 May 1998
; APPLICATION NUMBER: 60/051571
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Deneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-012
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 2698:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 975 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: circular
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Enterococcus faecium
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (B) LOCATION 1...975
; SEQUENCE DESCRIPTION: SEQ ID NO: 2698:
US-09-107-532A-2698

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Alignment Scores:
Pred. No.: 76 Length: 975
Score: 6.00 Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.50% Indels: 0
DB: 4 Gaps: 0

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US-09-854-133-587 (1-16) x US-09-107-532A-2698 (1-975)

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QY 1 PheGlnAlaAsnCysGly 6
Db 290 TTCCAGGCTAATTGTGGT 273

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RESULT 10

US-09-107-532A-2019/c

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; Sequence 2019, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:

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; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS

```

```

;
; NUMBER OF SEQUENCES: 7310
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD/ROM ISO9660
; COMPUTER: PC
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: ASCII
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,532A
; FILING DATE: 30-Jun-1998
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/085,598
; FILING DATE: 14 May 1998
; APPLICATION NUMBER: 60/051571
; FILING DATE: July 2, 1997
;
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Deneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-012
;
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
;
; INFORMATION FOR SEQ ID NO: 2019:
;
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1221 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: circular
;
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
;
; ORIGINAL SOURCE:
; ORGANISM: Enterococcus faecium
;
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (B) LOCATION 1...1221
;
; SEQUENCE DESCRIPTION: SEQ ID NO: 2019:
;
US-09-107-532A-2019

Alignment Scores:
Pred. No.: 92.5 Length: 1221
Score: 6.00 Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.50% Indels: 0
DB: 4 Gaps: 0

US-09-854-133-587 (1-16) x US-09-107-532A-2019 (1-1221)

QY 10 IleIlePheTrpIlePhe 15
Db 903 ATCATTTTCTGGATCTTC 886

RESULT 11
US-08-817-913-15
; Sequence 15, Application US/08817913
; Patent No. 6184443
;
; GENERAL INFORMATION:
; APPLICANT: Pedersen, Rolf
; APPLICANT: Lund, Marianne
; APPLICANT: Okkels, Finn
; APPLICANT: Kreiberg, Jette
; TITLE OF INVENTION: PROMOTER SEQUENCE FROM POTATO
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knobbe, Martens, Olson & Bear
; STREET: 620 Newport Center Drive 16th Floor
;

```

```

;
; CITY: Newport Beach
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92660
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/817,913
; FILING DATE: 15-SEP-1997
; CLASSIFICATION: 800
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/EP95/02196
; FILING DATE: 06-JUN-1995
; APPLICATION NUMBER: GB941286.7
; FILING DATE: 21-OCT-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Altman, Daniel E
; REGISTRATION NUMBER: 34,115
; REFERENCE/DOCKET NUMBER: DY0U10.001APC
;
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 714-760-0404
; TELEFAX: 714-760-9502
; TELEX:
;
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1352 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
;
US-08-817-913-15

Alignment Scores:
Pred. No.: 101 Length: 1352
Score: 6.00 Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.50% Indels: 0
DB: 3 Gaps: 0

US-09-854-133-587 (1-16) x US-08-817-913-15 (1-1352)

QY 7 IleAspPheIleIlePhe 12
Db 41 ATAGACTTCATAATTTT 58

RESULT 12
US-09-107-532A-517
; Sequence 517, Application US/09107532A
; Patent No. 6583275
;
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
;
; NUMBER OF SEQUENCES: 7310
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD/ROM ISO9660
; COMPUTER: PC
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: ASCII
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,532A
; FILING DATE: 30-Jun-1998
;

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;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 60/085,598
;; FILING DATE: 14 May 1998
;; APPLICATION NUMBER: 60/051571
;; FILING DATE: July 2, 1997
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Ariniello, Pamela Deneke
;; REGISTRATION NUMBER: 40,489
;; REFERENCE/DOCKET NUMBER: GTC-012
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (781)893-5007
;; TELEFAX: (781)893-8277
;; INFORMATION FOR SEQ ID NO: 517:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 1419 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: double
;; TOPOLOGY: circular
;; MOLECULE TYPE: DNA (genomic)
;; HYPOTHETICAL: NO
;; ANTI-SENSE: NO
;; ORIGINAL SOURCE:
;; ORGANISM: Enterococcus faecium
;; FEATURE:
;; NAME/KEY: misc feature
;; LOCATION: (B) LOCATION 1...1419
;; SEQUENCE DESCRIPTION: SEQ ID NO: 517:
US-09-107-532A-517

Alignment Scores:
Pred. No.: 105 Length: 1419
Score: 6.00 Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.50% Indels: 0
DB: 4 Gaps: 0

US-09-854-133-587 (1-16) x US-09-107-532A-517 (1-1419)

QY 6 GlyIleAspPheIleIle 11
|||||
Db 166 GGGATAGATTTCATAATT 183

RESULT 13

US-09-134-001C-2404
; Sequence 2404, Application US/09134001C
; Patent No. 6380370
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
; TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GTC-007
; CURRENT APPLICATION NUMBER: US/09/134,001C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/064,964
; PRIOR FILING DATE: 1997-11-08
; PRIOR APPLICATION NUMBER: US 60/055,779
; PRIOR FILING DATE: 1997-08-14
; NUMBER OF SEQ ID NOS: 5674
; SEQ ID NO 2404
; LENGTH: 1470
; TYPE: DNA
; ORGANISM: Staphylococcus epidermidis
US-09-134-001C-2404

Alignment Scores:
Pred. No.: 109 Length: 1470
Score: 6.00 Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.50% Indels: 0
DB: 4 Gaps: 0

US-09-854-133-587 (1-16) x US-09-134-001C-2404 (1-1470)

QY 8 AspPheIleIlePheTrp 13
|||||
Db 987 GATTATATTATCTGG 1004

RESULT 14

US-09-134-001C-1339/c
; Sequence 1339, Application US/09134001C
; Patent No. 6380370
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
; TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GTC-007
; CURRENT APPLICATION NUMBER: US/09/134,001C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/064,964
; PRIOR FILING DATE: 1997-11-08
; PRIOR APPLICATION NUMBER: US 60/055,779
; PRIOR FILING DATE: 1997-08-14
; NUMBER OF SEQ ID NOS: 5674
; SEQ ID NO 1339
; LENGTH: 1485
; TYPE: DNA
; ORGANISM: Staphylococcus epidermidis
US-09-134-001C-1339

Alignment Scores:
Pred. No.: 110 Length: 1485
Score: 6.00 Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.50% Indels: 0
DB: 4 Gaps: 0

US-09-854-133-587 (1-16) x US-09-134-001C-1339 (1-1485)

QY 7 IleAspPheIleIlePhe 12
|||||
Db 402 ATCGATTATATTTC 385

RESULT 15

US-08-817-913-16
; Sequence 16, Application US/08817913
; Patent No. 6184443
; GENERAL INFORMATION:
; APPLICANT: Pedersen, Rolf
; APPLICANT: Lund, Marianne
; APPLICANT: Okkels, Finn
; APPLICANT: Kreiberg, Jette
; TITLE OF INVENTION: PROMOTER SEQUENCE FROM POTATO
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knobbe, Martens, Olson & Bear
; STREET: 620 Newport Center Drive 16th Floor
; CITY: Newport Beach
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/817,913
; FILING DATE: 15-SEP-1997
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/EP95/02196
; FILING DATE: 06-JUN-1995
; APPLICATION NUMBER: GB941286.7

;
; FILING DATE: 21-OCT-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Altman, Daniel E
; REGISTRATION NUMBER: 34,115
; REFERENCE/DOCKET NUMBER: DYOU10.001APC
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 714-760-0404
; TELEFAX: 714-760-9502
; TELEX:
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1734 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-817-913-16

Alignment Scores:
Pred. No.: 126 Length: 1734
Score: 6.00 Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.50% Indels: 0
DB: 3 Gaps: 0

US-09-854-133-587 (1-16) x US-08-817-913-16 (1-1734)

QY 7 IleAspPheIleIlePhe 12
Db 240 ATAGACTTCATAATTTT 257

RESULT 16

US-09-601-198-153/c
; Sequence 153, Application US/09601198
; Patent No. 6531583

;
; GENERAL INFORMATION:
; APPLICANT: Cassell, Gail H.
; APPLICANT: Chen, Ellison Y.
; APPLICANT: Glass, Jennifer S.
; APPLICANT: Glass, John I.
; APPLICANT: Heiner, Cheryl R.
; APPLICANT: Lefkowitz, Elliot
; TITLE OF INVENTION: NUCLEIC ACID PROBES AND METHOD FOR DETECTING UREAPLASMA
; FILE REFERENCE: UAB-13452/22
; CURRENT APPLICATION NUMBER: US/09/601,198
; CURRENT FILING DATE: 2000-12-08
; PRIOR APPLICATION NUMBER: 60/073,189
; PRIOR FILING DATE: 1998-01-30
; NUMBER OF SEQ ID NOS: 181
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 153
; LENGTH: 1866
; TYPE: DNA
; ORGANISM: Ureaplasma urealyticum
US-09-601-198-153

Alignment Scores:
Pred. No.: 134 Length: 1866
Score: 6.00 Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.50% Indels: 0
DB: 4 Gaps: 0

US-09-854-133-587 (1-16) x US-09-601-198-153 (1-1866)

QY 7 IleAspPheIleIlePhe 12
Db 885 ATTGACTTCATAATATTC 868

RESULT 17

US-08-817-913-17
; Sequence 17, Application US/08817913
; Patent No. 6184443
; GENERAL INFORMATION:
; APPLICANT: Pedersen, Rolf
; APPLICANT: Lund, Marianne
; APPLICANT: Okkels, Finn
; APPLICANT: Kreiberg, Jette
; TITLE OF INVENTION: PROMOTER SEQUENCE FROM POTATO
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knobbe, Martens, Olson & Bear
; STREET: 620 Newport Center Drive 16th Floor
; CITY: Newport Beach
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/817,913
; FILING DATE: 15-SEP-1997
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/EP95/02196
; FILING DATE: 06-JUN-1995
; APPLICATION NUMBER: GB941286.7
; FILING DATE: 21-OCT-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Altman, Daniel E
; REGISTRATION NUMBER: 34,115
; REFERENCE/DOCKET NUMBER: DYOU10.001APC
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 714-760-0404
; TELEFAX: 714-760-9502
; TELEX:
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1920 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-817-913-17

Alignment Scores:
Pred. No.: 137 Length: 1920
Score: 6.00 Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.50% Indels: 0
DB: 3 Gaps: 0

US-09-854-133-587 (1-16) x US-08-817-913-17 (1-1920)

QY 7 IleAspPheIleIlePhe 12
Db 240 ATAGACTTCATAATTTT 257

RESULT 18

US-07-721-761A-35
; Sequence 35, Application US/07721761A
; Patent No. 5475099

;
; GENERAL INFORMATION:
; APPLICANT: Vic. C. Knauf
; APPLICANT: Gregory A. Thompson
; TITLE OF INVENTION: Plant Fatty Acid Synthases
; NUMBER OF SEQUENCES: 52
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Calgene, Inc.


```
;
; STREET: 1920 Fifth Street
; CITY: Davis
; STATE: CA
; COUNTRY: USA
; ZIP: 95616
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.0 MB
; COMPUTER: Apple Macintosh
; OPERATING SYSTEM: Macintosh 6.0.7
; SOFTWARE: Microsoft Word 4.0
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/721,761A
; FILING DATE: 19910626
;
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/568,493
; FILING DATE: 15-AUGUST-1990
;
; ATTORNEY/AGENT INFORMATION:
; NAME: Elizabeth Lassen
; REGISTRATION NUMBER: 31,845
;
; NAME: Donna E. Scherer
; REGISTRATION NUMBER: 34,719
; REFERENCE/DOCKET NUMBER: CGNE 76-1
;
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (916) 753-6313
; TELEFAX: (916) 753-1510
;
; INFORMATION FOR SEQ ID NO: 35:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1969 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA to mRNA
;
; US-07-721-761A-35
;
; Alignment Scores:
; Pred. No.: 140 Length: 1969
; Score: 6.00 Matches: 6
; Percent Similarity: 100.00% Conservative: 0
; Best Local Similarity: 100.00% Mismatches: 0
; Query Match: 37.50% Indels: 0
; DB: 1 Gaps: 0
;
; US-09-854-133-587 (1-16) x US-07-721-761A-35 (1-1969)
;
; QY 9 PheillellePheTrpIle 14
; |||||
; Db 160 TTTATCATCTTCTGGATC 177
;
; RESULT 19
; US-07-978-687-35
; Sequence 35, Application US/07978687
; Patent No. 5510255
; GENERAL INFORMATION:
; APPLICANT: Vic. C. Knauf
; APPLICANT: Gregory A. Thompson
; TITLE OF INVENTION: Plant Patty Acid Synthases
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Calgene, Inc.
; STREET: 1920 Fifth Street
; CITY: Davis
; STATE: CA
; COUNTRY: USA
; ZIP: 95616
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.0 MB
; COMPUTER: Apple Macintosh
; OPERATING SYSTEM: Macintosh 6.0.7
; SOFTWARE: Microsoft Word 4.0
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/978,687
; FILING DATE: FEBRUARY 1, 1993
```

```
;
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US91/05801
; FILING DATE: 15-AUGUST-1991
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/568,493
; FILING DATE: 15-AUGUST-1990
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/721,761
; FILING DATE: 26-JUNE-1991
;
; ATTORNEY/AGENT INFORMATION:
; NAME: Elizabeth Lassen
; REGISTRATION NUMBER: 31,845
;
; NAME: Donna E. Scherer
; REGISTRATION NUMBER: 34,719
; REFERENCE/DOCKET NUMBER: CGNE 76-2 WO
;
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (916) 753-6313
; TELEFAX: (916) 753-1510
;
; INFORMATION FOR SEQ ID NO: 35:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1969 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA to mRNA
;
; US-07-978-687-35
;
; Alignment Scores:
; Pred. No.: 140 Length: 1969
; Score: 6.00 Matches: 6
; Percent Similarity: 100.00% Conservative: 0
; Best Local Similarity: 100.00% Mismatches: 0
; Query Match: 37.50% Indels: 0
; DB: 1 Gaps: 0
;
; US-09-854-133-587 (1-16) x US-07-978-687-35 (1-1969)
;
; QY 9 PheillellePheTrpIle 14
; |||||
; Db 160 TTTATCATCTTCTGGATC 177
;
; RESULT 20
; US-08-926-522-17
; Sequence 17, Application US/08926522
; Patent No. 6426447
; GENERAL INFORMATION:
; APPLICANT: Vic C. Knauf
; APPLICANT: Gregory A. Thompson
; TITLE OF INVENTION: PLANT SEED OILS
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Calgene, Inc.
; STREET: 1920 Fifth Street
; CITY: Davis
; STATE: CA
; COUNTRY: USA
; ZIP: 95616
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.0 MB
; COMPUTER: Apple Macintosh
; OPERATING SYSTEM: Macintosh 7.1
; SOFTWARE: Microsoft Word 5.1(a)
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/926,522
; FILING DATE:
;
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/458,173
; FILING DATE: 2-June-1995
;
; ATTORNEY/AGENT INFORMATION:
; NAME: Elizabeth Lassen
; REGISTRATION NUMBER: 31,845
```

NAME: Donna E. Scherer
REGISTRATION NUMBER: 34,719
NAME: Carl J. Schwedler
REGISTRATION NUMBER: 36,924
REFERENCE/DOCKET NUMBER: CGNE DES
TELEPHONE: (916) 753-6313
TELEFAX: (916) 753-1510
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 1969 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA to mRNA
US-08-926-522-17

Alignment Scores: 140 Length: 1969
Pred. No.: 6.00 Matches: 6
Score: 100.00% Conservative: 0
Percent Similarity: 100.00% Mismatches: 0
Best Local Similarity: 100.00% Indels: 0
Query Match: 37.50% Gaps: 0
DB: 4

US-09-854-133-587 (1-16) x US-08-926-522-17 (1-1969)

QY 9 PheIleIlePheTrpIle 14
|||||
Db 160 TTTATCATCTTCTGGATC 177

RESULT 21
PCT-US91-05801-35
Sequence 35, Application PC/TUS9105801
GENERAL INFORMATION:
APPLICANT: Vic. C. Knauf
APPLICANT: Gregory A. Thompson
TITLE OF INVENTION: Plant Fatty Acid Synthases
NUMBER OF SEQUENCES:
CORRESPONDENCE ADDRESS:
ADDRESSEE: Calgene, Inc.
STREET: 1920 Fifth Street
CITY: Davis
STATE: CA
COUNTRY: USA
ZIP: 95616
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.0 MB
COMPUTER: Apple Macintosh
OPERATING SYSTEM: Macintosh 6.0.7
SOFTWARE: Microsoft Word 4.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US91/05801
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/568,493
FILING DATE: 15-AUGUST-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/721,761
FILING DATE: 26-JUNE-1991
ATTORNEY/AGENT INFORMATION:
NAME: Elizabeth Lassen
REGISTRATION NUMBER: 31,845
NAME: Donna E. Scherer
REGISTRATION NUMBER: 34,719
REFERENCE/DOCKET NUMBER: CGNE 76-2 WO
TELEPHONE: (916) 753-6313
TELEFAX: (916) 753-1510
INFORMATION FOR SEQ ID NO: 35:
SEQUENCE CHARACTERISTICS:
LENGTH: 1969 base pairs

TYPE: NUCLEIC ACID
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA to mRNA
PCT-US91-05801-35

Alignment Scores: 140 Length: 1969
Pred. No.: 6.00 Matches: 6
Score: 100.00% Conservative: 0
Percent Similarity: 100.00% Mismatches: 0
Best Local Similarity: 100.00% Indels: 0
Query Match: 37.50% Gaps: 0
DB: 5

US-09-854-133-587 (1-16) x PCT-US91-05801-35 (1-1969)

QY 9 PheIleIlePheTrpIle 14
|||||
Db 160 TTTATCATCTTCTGGATC 177

RESULT 22
US-09-620-312D-597/c
Sequence 597, Application US/09620312D
Patent No. 6569662
GENERAL INFORMATION:
APPLICANT: Tang, Y. Tom
APPLICANT: Liu, Chenghua
APPLICANT: Asundi, Vinod
APPLICANT: Zhang, Jie
APPLICANT: Ren, Feiyan
APPLICANT: Chen, Rui-hong
APPLICANT: Zhao, Qing A.
APPLICANT: Wehrman, Tom
APPLICANT: Xue, Aidong J.
APPLICANT: Yang, Yonghong
APPLICANT: Wang, Jian-Rui
APPLICANT: Zhou, Ping
APPLICANT: Ma, Yunqing
APPLICANT: Wang, Dunrui
APPLICANT: Wang, Zhiwei
APPLICANT: John Tillinghast
APPLICANT: Drmanac, Radoje T.
TITLE OF INVENTION: No. 6569662el Nucleic Acids and
TITLE OF INVENTION: Polypeptides
FILE REFERENCE: 784CIP2B
CURRENT APPLICATION NUMBER: US/09/620,312D
CURRENT FILING DATE: 2000-07-19
PRIOR APPLICATION NUMBER: 09/552,317
PRIOR FILING DATE: 2000-04-25
PRIOR APPLICATION NUMBER: 09/488,725
PRIOR FILING DATE: 2000-01-21
NUMBER OF SEQ ID NOS: 1105
SOFTWARE: pt_FL_genes Version 1.0
SEQ ID NO 597
LENGTH: 2038
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (282)..(635)
US-09-620-312D-597

Alignment Scores: 145 Length: 2038
Pred. No.: 6.00 Matches: 6
Score: 100.00% Conservative: 0
Percent Similarity: 100.00% Mismatches: 0
Best Local Similarity: 100.00% Indels: 0
Query Match: 37.50% Gaps: 0
DB: 4

US-09-854-133-587 (1-16) x US-09-620-312D-597 (1-2038)

QY 6 GlyIleAspPheIleIle 11

```
Db      1885 GGCATTGACTTCATTATA 1868
RESULT 23
US-09-107-532A-845/c
; Sequence 845, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 7310
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660
; COMPUTER: PC
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,532A
; FILING DATE: 30-Jun-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/085,598
; FILING DATE: 14 May 1998
; APPLICATION NUMBER: 60/051571
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Deneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-012
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 845:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2049 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: circular
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Enterococcus faecium
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (B) LOCATION 1...2049
; SEQUENCE DESCRIPTION: SEQ ID NO: 845:
US-09-107-532A-845
Alignment Scores:
Pred. No.:      145      Length:      2049
Score:          6.00      Matches:      6
Percent Similarity: 100.00%      Conservative: 0
Best Local Similarity: 100.00%      Mismatches: 0
Query Match:      37.50%      Indels:      0
DB:              4      Gaps:      0
US-09-854-133-587 (1-16) x US-09-107-532A-845 (1-2049)
Qy      9 PheillelPheTrpile 14
      |||||||
Db      98 TTCATCATTTTGGATA 81
RESULT 24
US-09-020-466-1
; Sequence 1, Application US/09020466
```

```
; Patent No. 5879908
; GENERAL INFORMATION:
; APPLICANT: LAPING, NICHOLAS
; APPLICANT: OLSON, BARBARA
; APPLICANT: ZHU, YUAN
; TITLE OF INVENTION: CRFG-1a, a target and marker
; for chronic renal failure
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: RATNER & PRESTIA
; STREET: P.O. BOX 980
; CITY: VALLEY FORGE
; STATE: PA
; COUNTRY: USA
; ZIP: 19482
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/020,466
; FILING DATE: 09-FEB-1998
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/045,203
; FILING DATE: 30-APR-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: PRESTIA, PAUL F
; REGISTRATION NUMBER: 23,031
; REFERENCE/DOCKET NUMBER: GH-70009-2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-407-0700
; TELEFAX: 610-407-0701
; TELEX: 846169
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2371 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
US-09-020-466-1
Alignment Scores:
Pred. No.:      165      Length:      2371
Score:          6.00      Matches:      6
Percent Similarity: 100.00%      Conservative: 0
Best Local Similarity: 100.00%      Mismatches: 0
Query Match:      37.50%      Indels:      0
DB:              2      Gaps:      0
US-09-854-133-587 (1-16) x US-09-020-466-1 (1-2371)
Qy      10 lleillePheTrpilephe 15
      |||||||
Db      1226 ATTATATTTGGATCTTC 1243
RESULT 25
US-09-192-659-1
; Sequence 1, Application US/09192659
; Patent No. 6127522
; GENERAL INFORMATION:
; APPLICANT: LAPING, NICHOLAS J.
; APPLICANT: OLSON, BARBARA
; APPLICANT: ZHU, YUAN
; TITLE OF INVENTION: CRFG-1a, A TARGET AND MARKER
; FOR CHRONIC RENAL FAILURE
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Ratner & Prestia
; STREET: P.O. Box 980
; CITY: Valley Forge
```

```

; STATE: PA
; COUNTRY: USA
; ZIP: 19482
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/192,659
; FILING DATE: 16-NOV-1998
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/020,466
; FILING DATE: 09-FEB-1998
; APPLICATION NUMBER: 60/045,203
; FILING DATE: 30-APR-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Prestia, Paul F
; REGISTRATION NUMBER: 23,031
; REFERENCE/DOCKET NUMBER: GH-70009-3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-407-0700
; TELEFAX: 610-407-0700
; TELEX: 846169
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2371 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
US-09-192-659-1

Alignment Scores:
Pred. No.: 165 Length: 2371
Score: 6.00 Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.50% Indels: 0
DB: 3 Gaps: 0

US-09-854-133-587 (1-16) x US-09-192-659-1 (1-2371)

QY 10 IleilePheTrpIlePhe 15
| | | | | | | | | | | | | | | |
Db 1226 ATTATATTTGGATCTTC 1243

RESULT 26
US-08-961-527-316
; Sequence 316, Application US/08961527
; Patent No. 6420135
; GENERAL INFORMATION:
; APPLICANT: Charles Kunsch
; TITLE OF INVENTION: Streptococcus pneumoniae Polynucleotides and Sequences
; NUMBER OF SEQUENCES: 391
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/961,527
; FILING DATE:
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:

```

```

; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Brookes, A. Anders
; REGISTRATION NUMBER: 36,373
; REFERENCE/DOCKET NUMBER: PB340P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 309-8504
; TELEFAX: (301) 309-8512
; INFORMATION FOR SEQ ID NO: 316:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2453 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
US-08-961-527-316

Alignment Scores:
Pred. No.: 170 Length: 2453
Score: 6.00 Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.50% Indels: 0
DB: 4 Gaps: 0

US-09-854-133-587 (1-16) x US-08-961-527-316 (1-2453)

QY 9 PheileilePheTrpIle 14
| | | | | | | | | | | | | | | |
Db 940 TTTATTTATCTTTGGATA 957

RESULT 27
US-09-107-532A-2331/c
; Sequence 2331, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 7310
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660
; COMPUTER: PC
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,532A
; FILING DATE: 30-Jun-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/085,598
; FILING DATE: 14 May 1998
; APPLICATION NUMBER: 60/051571
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Deneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-012
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 2331:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2586 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: circular

```



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; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Enterococcus faecium
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (B) LOCATION 1...2586
; SEQUENCE DESCRIPTION: SEQ ID NO: 2331:
US-09-107-532A-2331

Alignment Scores:
Pred. No.: 178 Length: 2586
Score: 6.00 Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.50% Indels: 0
DB: 4 Gaps: 0

US-09-854-133-587 (1-16) x US-09-107-532A-2331 (1-2586)
QY 7 IleAspPheIleIlePhe 12
Db 810 ATCGATTATTATAATCTTC 793

RESULT 28
US-09-020-465-1
; Sequence 1, Application US/09020465
; Patent No. 6255471
; GENERAL INFORMATION:
; APPLICANT: LAPING, NICHOLAS
; APPLICANT: OLSON, BARBARA
; APPLICANT: ZHU, YUAN
; TITLE OF INVENTION: CRFG-1b, a target and marker
; TITLE OF INVENTION: for chronic renal failure
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: RATNER & PRESTIA
; STREET: P.O. BOX 980
; CITY: VALLEY FORGE
; STATE: PA
; COUNTRY: USA
; ZIP: 19482
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/020,465
; FILING DATE: 09-FEB-1998
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/045,203
; FILING DATE: 30-APR-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: PRESTIA, PAUL F
; REGISTRATION NUMBER: 23,031
; REFERENCE/DOCKET NUMBER: GH-70009-1
; TELEPHONE: 610-407-0700
; TELEFAX: 610-407-0701
; TELEX: 846169
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2682 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
US-09-020-465-1

Alignment Scores:

```

```

Pred. No.: 184 Length: 2682
Score: 6.00 Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.50% Indels: 0
DB: 3 Gaps: 0

US-09-854-133-587 (1-16) x US-09-020-465-1 (1-2682)
QY 10 IleIlePheTrpIlePhe 15
Db 1537 ATTATATTTTGGATCTTC 1554

RESULT 29
US-08-613-009A-6/c
; Sequence 6, Application US/08613009A
; Patent No. 6090576
; GENERAL INFORMATION:
; APPLICANT: Myers, Lisa E
; APPLICANT: Schryvers, Anthony B
; APPLICANT: Harkness, Robin E
; APPLICANT: Loosmore, Sheena M.
; APPLICANT: Du, Run-Pan
; APPLICANT: Yang, Yan-Ping
; APPLICANT: Klein, Michel H
; TITLE OF INVENTION: Transferrin Receptor Genes of Moraxella
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sim & McBurney
; STREET: 6th Floor, 330 University Avenue
; CITY: Toronto
; STATE: Ontario
; COUNTRY: Canada
; ZIP: M5G 1R7
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/613,009A
; FILING DATE: 08-MAR-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Stewart, Michael I
; REGISTRATION NUMBER: 24973
; REFERENCE/DOCKET NUMBER: 1038-542
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (416) 595-1155
; TELEFAX: (416) 595-1163
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3210 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-613-009A-6

Alignment Scores:
Pred. No.: 215 Length: 3210
Score: 6.00 Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.50% Indels: 0
DB: 3 Gaps: 0

US-09-854-133-587 (1-16) x US-08-613-009A-6 (1-3210)
QY 11 IlePheTrpIlePheTrp 16
Db 28 ATTTTGGATTTTTGG 11

RESULT 30

```

```
US-08-778-570B-6/c
; Sequence 6, Application US/08778570B
; Patent No. 6437096
; GENERAL INFORMATION:
; APPLICANT: Myers, Lisa E
; APPLICANT: Schryvers, Anthony B
; APPLICANT: Harkness, Robin E
; APPLICANT: Loosmore, Sheena M.
; APPLICANT: Du, Run-Pan
; APPLICANT: Yang, Yan-Ping
; APPLICANT: Klein, Michel H
; TITLE OF INVENTION: Transferrin Receptor Genes of Moraxella
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sim & McBurney
; STREET: 6th Floor, 330 University Avenue
; CITY: Toronto
; STATE: Ontario
; COUNTRY: Canada
; ZIP: M5G 1R7
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/778,570B
; FILING DATE: 03-JAN-1997
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Stewart, Michael I
; REGISTRATION NUMBER: 24973
; REFERENCE/DOCKET NUMBER: 1038-664
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (416) 595-1155
; TELEFAX: (416) 595-1163
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3210 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
;
US-08-778-570B-6

Alignment Scores:
Pred. No.: 215 Length: 3210
Score: 6.00 Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.50% Indels: 0
DB: 4 Gaps: 0

US-09-854-133-587 (1-16) x US-08-778-570B-6 (1-3210)

QY 11 IlePheTrpIlePheTrp 16
| | | | | | | | | | | | | | | |
Db 28 ATTTTGGATTTTGG 11

RESULT 31
US-09-854-133-587 (1-16) x US-08-778-570B-6 (1-3210)
; Sequence 6, Application US/09059584
; Patent No. 6440701
; GENERAL INFORMATION:
; APPLICANT: Myers, Lisa E
; APPLICANT: Schryvers, Anthony B
; APPLICANT: Harkness, Robin E
; APPLICANT: Loosmore, Sheena M.
; APPLICANT: Du, Run-Pan
; APPLICANT: Yang, Yan-Ping
; APPLICANT: Klein, Michel H
; TITLE OF INVENTION: Transferrin Receptor Genes of Moraxella
; NUMBER OF SEQUENCES: 60
; CORRESPONDENCE ADDRESS:
```

```
; ADDRESSEE: Sim & McBurney
; STREET: 6th Floor, 330 University Avenue
; CITY: Toronto
; STATE: Ontario
; COUNTRY: Canada
; ZIP: M5G 1R7
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/059,584
; FILING DATE: 14-APR-1998
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/778,570
; FILING DATE: 03-JAN-1997
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Stewart, Michael I
; REGISTRATION NUMBER: 24973
; REFERENCE/DOCKET NUMBER: 1038-794
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (416) 595-1155
; TELEFAX: (416) 595-1163
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3210 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
;
US-09-059-584-6

Alignment Scores:
Pred. No.: 215 Length: 3210
Score: 6.00 Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.50% Indels: 0
DB: 4 Gaps: 0

US-09-854-133-587 (1-16) x US-09-059-584-6 (1-3210)

QY 11 IlePheTrpIlePheTrp 16
| | | | | | | | | | | | | | | |
Db 28 ATTTTGGATTTTGG 11

RESULT 32
US-09-255-984-1/c
; Sequence 1, Application US/092555984
; Patent No. 6296851
; GENERAL INFORMATION:
; APPLICANT: Warren, Richard L.
; TITLE OF INVENTION: No. 6296851el Compounds
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dechert, Price & Rhoads
; STREET: 4000 Bell Atlantic Tower, 1717 Arch Stre
; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19103-2793
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/255,984
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
```



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; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/613,009A
; FILING DATE: 08-MAR-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Stewart, Michael I
; REGISTRATION NUMBER: 24973
; REFERENCE/DOCKET NUMBER: 1038-542
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (416) 595-1155
; TELEFAX: (416) 595-1163
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3660 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-613-009A-5

Alignment Scores:
Pred. No.: 241 Length: 3660
Score: 6.00 Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.50% Indels: 0
DB: 3 Gaps: 0

US-09-854-133-587 (1-16) x US-08-613-009A-5 (1-3660)

QY 11 IlePheTrpIlePheTrp 16
| | | | | | | | | | | | | | | |
Db 295 ATTTTGGATTGTTGG 278

RESULT 36
US-08-778-570B-5/c
; Sequence 5, Application US/08778570B
; Patent No. 6437096
; GENERAL INFORMATION:
; APPLICANT: Myers, Lisa E
; APPLICANT: Schryvers, Anthony B
; APPLICANT: Harkness, Robin E
; APPLICANT: Loosmore, Sheena M.
; APPLICANT: Du, Run-Pan
; APPLICANT: Yang, Yan-Ping
; APPLICANT: Klein, Michel H
; TITLE OF INVENTION: Transferrin Receptor Genes of Moraxella
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sim & McBurney
; STREET: 6th Floor, 330 University Avenue
; CITY: Toronto
; STATE: Ontario
; COUNTRY: Canada
; ZIP: MSG 1R7
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/778,570B
; FILING DATE: 03-JAN-1997
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Stewart, Michael I
; REGISTRATION NUMBER: 24973
; REFERENCE/DOCKET NUMBER: 1038-664
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (416) 595-1155
; TELEFAX: (416) 595-1163
; INFORMATION FOR SEQ ID NO: 5:

```

```

; SEQUENCE CHARACTERISTICS:
; LENGTH: 3660 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-778-570B-5

Alignment Scores:
Pred. No.: 241 Length: 3660
Score: 6.00 Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.50% Indels: 0
DB: 4 Gaps: 0

US-09-854-133-587 (1-16) x US-08-778-570B-5 (1-3660)

QY 11 IlePheTrpIlePheTrp 16
| | | | | | | | | | | | | | | |
Db 295 ATTTTGGATTGTTGG 278

RESULT 37
US-09-059-584-5/c
; Sequence 5, Application US/09059584
; Patent No. 6440701
; GENERAL INFORMATION:
; APPLICANT: Myers, Lisa E
; APPLICANT: Schryvers, Anthony B
; APPLICANT: Harkness, Robin E
; APPLICANT: Loosmore, Sheena M.
; APPLICANT: Du, Run-Pan
; APPLICANT: Yang, Yan-Ping
; APPLICANT: Klein, Michel H
; TITLE OF INVENTION: Transferrin Receptor Genes of Moraxella
; NUMBER OF SEQUENCES: 60
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sim & McBurney
; STREET: 6th Floor, 330 University Avenue
; CITY: Toronto
; STATE: Ontario
; COUNTRY: Canada
; ZIP: MSG 1R7
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/059,584
; FILING DATE: 14-APR-1998
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/778,570
; FILING DATE: 03-JAN-1997
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Stewart, Michael I
; REGISTRATION NUMBER: 24973
; REFERENCE/DOCKET NUMBER: 1038-794
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (416) 595-1155
; TELEFAX: (416) 595-1163
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3660 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-09-059-584-5

Alignment Scores:
Pred. No.: 241 Length: 3660
Score: 6.00 Matches: 6

```


Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.50% Indels: 0
DB: 4 Gaps: 0

US-09-854-133-587 (1-16) x US-09-059-584-5 (1-3660)

QY 11 IlePheTrpIlePheTrp 16
Db 295 ATTTTGGATTTTGG 278

RESULT 38
US-08-414-926A-1/c
; Sequence 1, Application US/08414926A
; Patent No. 5721354
; GENERAL INFORMATION:
; APPLICANT: Spaete, Richard
; APPLICANT: Cha, Tai-An
; TITLE OF INVENTION: NOVEL HUMAN CYTOMEGALOVIRUS
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooley Godward Castro Huddleson & Tatum
; STREET: 5 Palo Alto Square
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94306-2155
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/414,926A
; FILING DATE: March 31, 1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Cserr, Luann
; REGISTRATION NUMBER: 31,822
; REFERENCE/DOCKET NUMBER: AVIR-011/OOUS
; TELEPHONE: 415-494-7622
; TELEFAX: 415-857-0663
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4711 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Human CMV
; STRAIN: Towne
; FEATURE:
; NAME/KEY: CDS
; LOCATION: complement (845..1321)
; OTHER INFORMATION: /product= "UL147"
; FEATURE:
; NAME/KEY: CDS
; LOCATION: complement (1368..1721)
; OTHER INFORMATION: /product= "UL152"
; FEATURE:
; NAME/KEY: CDS
; LOCATION: complement (2504..3337)
; OTHER INFORMATION: /product= "UL153"
; FEATURE:
; NAME/KEY: CDS
; LOCATION: complement (3515..4711)
; OTHER INFORMATION: /product= "UL154"
US-08-414-926A-1

Alignment Scores: 300 Length: 4711
Pred. No.: 6.00 Matches: 6
Score: 100.00% Conservative: 0
Percent Similarity: 100.00% Mismatches: 0
Best Local Similarity: 100.00% Indels: 0
Query Match: 37.50% Gaps: 0
DB: 1

US-09-854-133-587 (1-16) x US-08-414-926A-1 (1-4711)

QY 9 PheIleIlePheTrpIle 14
Db 4654 TTTATTATTTTGGATT 4637

RESULT 39
US-08-926-922-1/c
; Sequence 1, Application US/08926922
; Patent No. 5925751
; GENERAL INFORMATION:
; APPLICANT: Spaete, Richard
; APPLICANT: Cha, Tai-An
; TITLE OF INVENTION: NOVEL HUMAN CYTOMEGALOVIRUS
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Luann Cserr Attorney at Law
; STREET: 750 Arimo Avenue
; CITY: Oakland
; STATE: CA
; COUNTRY: USA
; ZIP: 94610
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/926,922
; FILING DATE: September 10, 1997
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Cserr, Luann
; REGISTRATION NUMBER: 31,822
; REFERENCE/DOCKET NUMBER: AVIR 11A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 510-834-1448
; TELEFAX: 510-839-7810
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4711 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Human CMV
; STRAIN: Towne
; FEATURE:
; NAME/KEY: CDS
; LOCATION: complement (845..1321)
; OTHER INFORMATION: /product= "UL147"
; FEATURE:
; NAME/KEY: CDS
; LOCATION: complement (1368..1721)
; OTHER INFORMATION: /product= "UL152"
; FEATURE:
; NAME/KEY: CDS
; LOCATION: complement (2504..3337)
; OTHER INFORMATION: /product= "UL153"
; FEATURE:
; NAME/KEY: CDS
; LOCATION: complement (3515..4711)

```
; OTHER INFORMATION: /product= "UL154"
US-08-926-922-1
Alignment Scores:          300          Length: 4711
Pred. No.:                6.00          Matches: 6
Score:                    100.00%        Conservative: 0
Percent Similarity:       100.00%        Mismatches: 0
Best Local Similarity:    100.00%        Indels: 0
Query Match:             37.50%          Gaps: 0
DB:                        2
US-09-854-133-587 (1-16) x US-08-926-922-1 (1-4711)
Qy      9 PheillellepheTrpIle 14
Db      4654 TTTATTATTTTGGATT 4637

RESULT 40
US-09-253-682-1/c
; Sequence 1, Application US/09253682
; Patent No. 6040170
; GENERAL INFORMATION:
; APPLICANT: Spaete, Richard
; APPLICANT: Cha, Tai-An
; TITLE OF INVENTION: NOVEL HUMAN CYTOMEGALOVIRUS
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Luann Cserr Attorney at Law
; STREET: 750 Arimo Avenue
; CITY: Oakland
; STATE: CA
; COUNTRY: USA
; ZIP: 94610
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; OPERATING SYSTEM: PC-DOS/MS-DOS
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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/253,682
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/926,922
; FILING DATE: September 10, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Cserr, Luann
; REGISTRATION NUMBER: 31,822
; REFERENCE/DOCKET NUMBER: AVIR 11A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 510-834-1448
; TELEFAX: 510-839-7810
; INFORMATION FOR SEQ ID NO: 1:
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142	6	37.5	6183	12	US-10-311-455-1169	Sequence 1169, Ap	215	5	31.2	121	11	US-09-818-875-1901	Sequence 1901, Ap
c 143	6	37.5	6352	12	US-10-311-455-878	Sequence 878, App	c 216	5	31.2	121	11	US-09-818-875-1904	Sequence 1904, Ap
c 144	6	37.5	6352	14	US-10-172-086-24	Sequence 24, Appl	217	5	31.2	121	11	US-09-818-875-1905	Sequence 1905, Ap
145	6	37.5	6669	12	US-10-204-708-6	Sequence 6, Appli	c 218	5	31.2	121	11	US-09-818-875-1908	Sequence 1908, Ap
146	6	37.5	6669	12	US-10-311-455-166	Sequence 166, App	219	5	31.2	121	11	US-09-818-875-1909	Sequence 1909, Ap
147	6	37.5	6686	12	US-10-311-455-433	Sequence 433, App	c 220	5	31.2	121	11	US-09-818-875-1912	Sequence 1912, Ap

221	5	31.2	121	11	US-09-818-875-1913	Sequence 1913, Ap	294	5	31.2	289	13	US-10-027-632-132435	Sequence 132435,
C 222	5	31.2	122	13	US-10-027-632-67913	Sequence 67913, A	C 295	5	31.2	293	11	US-09-747-377-253	Sequence 253, App
C 223	5	31.2	132	9	US-09-864-761-22448	Sequence 22448, A	C 296	5	31.2	293	14	US-10-105-613-253	Sequence 253, App
224	5	31.2	138	9	US-09-815-242-1362	Sequence 1362, Ap	C 297	5	31.2	294	9	US-09-815-242-1517	Sequence 1517, Ap
225	5	31.2	138	9	US-09-815-242-1428	Sequence 1428, Ap	298	5	31.2	297	10	US-09-867-701-46	Sequence 46, Appl
226	5	31.2	138	9	US-09-815-242-1455	Sequence 1455, Ap	299	5	31.2	299	11	US-09-835-976B-86	Sequence 86, Appl
227	5	31.2	138	9	US-09-815-242-1648	Sequence 1648, Ap	300	5	31.2	300	10	US-09-736-457-696	Sequence 696, App
C 228	5	31.2	160	9	US-09-925-299-746	Sequence 746, App	301	5	31.2	300	10	US-09-902-941-696	Sequence 696, App
C 229	5	31.2	160	11	US-09-925-299-746	Sequence 746, App	302	5	31.2	300	10	US-09-849-626-696	Sequence 696, App
230	5	31.2	162	9	US-09-864-761-20741	Sequence 20741, A	303	5	31.2	300	11	US-09-476-300-696	Sequence 696, App
231	5	31.2	162	10	US-09-783-590-3944	Sequence 3944, Ap	304	5	31.2	300	12	US-10-113-872-696	Sequence 696, App
232	5	31.2	168	9	US-09-864-761-29405	Sequence 29405, A	305	5	31.2	300	14	US-10-017-754-696	Sequence 696, App
C 233	5	31.2	169	12	US-10-029-386-19575	Sequence 19575, A	306	5	31.2	304	10	US-09-764-847-44	Sequence 44, Appl
234	5	31.2	179	10	US-09-878-574-5293	Sequence 5293, Ap	307	5	31.2	304	14	US-10-092-154-44	Sequence 44, Appl
C 235	5	31.2	182	9	US-09-864-761-32974	Sequence 32974, A	C 308	5	31.2	305	10	US-09-983-965-355	Sequence 355, App
236	5	31.2	187	9	US-09-864-761-31964	Sequence 31964, A	309	5	31.2	310	11	US-09-764-891-8880	Sequence 8880, Ap
C 237	5	31.2	194	9	US-09-815-242-1327	Sequence 1327, Ap	C 310	5	31.2	314	8	US-08-781-986A-3094	Sequence 3094, Ap
C 238	5	31.2	194	9	US-09-815-242-1574	Sequence 1574, Ap	311	5	31.2	316	14	US-10-060-036-951	Sequence 951, App
C 239	5	31.2	197	10	US-09-796-692-3185	Sequence 3185, Ap	312	5	31.2	319	9	US-09-815-242-450	Sequence 450, App
C 240	5	31.2	197	14	US-10-040-862-3185	Sequence 3185, Ap	313	5	31.2	320	10	US-09-867-701-9855	Sequence 9855, Ap
C 241	5	31.2	202	12	US-10-029-386-13856	Sequence 13856, A	C 314	5	31.2	323	11	US-09-791-279-73	Sequence 73, Appl
C 242	5	31.2	203	9	US-09-815-242-1892	Sequence 1892, Ap	C 315	5	31.2	326	10	US-09-867-701-104	Sequence 104, App
C 243	5	31.2	203	9	US-09-815-242-2708	Sequence 2708, Ap	C 316	5	31.2	326	12	US-09-814-353-20904	Sequence 20904, A
C 244	5	31.2	203	9	US-09-815-242-3000	Sequence 3000, Ap	317	5	31.2	326	13	US-10-027-632-15493	Sequence 15493, A
C 245	5	31.2	203	9	US-09-815-242-3051	Sequence 3051, Ap	C 318	5	31.2	330	10	US-09-920-300A-743	Sequence 743, App
C 246	5	31.2	210	10	US-09-878-574-7388	Sequence 7388, Ap	C 319	5	31.2	330	10	US-09-738-626-3335	Sequence 3335, Ap
C 247	5	31.2	215	11	US-09-918-995-671	Sequence 671, App	C 320	5	31.2	330	12	US-10-099-926-743	Sequence 743, App
248	5	31.2	233	10	US-09-878-574-8635	Sequence 8635, Ap	C 321	5	31.2	330	13	US-10-033-528-743	Sequence 296, App
C 249	5	31.2	234	10	US-09-878-574-13920	Sequence 13920, A	322	5	31.2	331	10	US-09-878-574-296	Sequence 2118, Ap
C 250	5	31.2	242	10	US-09-878-574-10302	Sequence 10302, A	323	5	31.2	331	10	US-09-783-590-2118	Sequence 6661, Ap
251	5	31.2	246	12	US-09-394-142B-11	Sequence 11, Appl	C 324	5	31.2	331	10	US-09-960-352-6661	Sequence 8700, Ap
C 252	5	31.2	250	10	US-09-983-965-603	Sequence 603, App	C 325	5	31.2	332	11	US-09-764-891-8700	Sequence 1519, Ap
C 253	5	31.2	251	10	US-09-878-574-13403	Sequence 13403, A	326	5	31.2	334	12	US-09-814-353-1519	Sequence 4019, Ap
C 254	5	31.2	253	10	US-09-878-574-6258	Sequence 6258, Ap	C 327	5	31.2	334	12	US-09-814-353-4019	Sequence 7878, Ap
C 255	5	31.2	253	10	US-09-834-975-502	Sequence 502, App	328	5	31.2	334	12	US-09-814-353-7878	Sequence 10327, A
C 256	5	31.2	254	14	US-10-060-036-1165	Sequence 1165, Ap	C 329	5	31.2	335	10	US-09-867-701-120	Sequence 120, App
C 257	5	31.2	255	10	US-09-878-574-6454	Sequence 6454, Ap	C 330	5	31.2	335	12	US-09-814-353-19887	Sequence 19887, A
258	5	31.2	256	9	US-09-815-242-1577	Sequence 1577, Ap	C 331	5	31.2	335	12	US-09-814-353-19887	Sequence 8266, Ap
259	5	31.2	256	9	US-09-815-242-1588	Sequence 1588, Ap	332	5	31.2	336	10	US-09-974-300-8266	Sequence 2145, Ap
260	5	31.2	256	9	US-09-815-242-1613	Sequence 1613, Ap	333	5	31.2	336	11	US-09-803-719-2145	Sequence 2, Appli
261	5	31.2	259	10	US-09-878-574-6434	Sequence 6434, Ap	C 334	5	31.2	336	12	US-10-099-663-2	Sequence 4999, Ap
C 262	5	31.2	259	12	US-10-029-386-19869	Sequence 19869, A	335	5	31.2	341	10	US-09-974-300-4999	Sequence 5009, Ap
C 263	5	31.2	260	9	US-09-923-876-4843	Sequence 4843, Ap	336	5	31.2	341	10	US-09-974-300-5009	Sequence 13944, A
264	5	31.2	261	11	US-09-907-907A-34	Sequence 34, Appl	337	5	31.2	341	14	US-10-198-846-13944	Sequence 1584, Ap
265	5	31.2	261	12	US-10-434-588-42	Sequence 42, Appl	338	5	31.2	342	9	US-09-815-242-1584	Sequence 256, App
266	5	31.2	261	12	US-10-434-588-44	Sequence 44, Appl	339	5	31.2	342	11	US-09-803-719-256	Sequence 1914, Ap
267	5	31.2	261	12	US-10-434-588-46	Sequence 46, Appl	340	5	31.2	343	9	US-09-815-242-1914	Sequence 10938, A
268	5	31.2	263	9	US-09-815-242-1895	Sequence 1895, Ap	C 341	5	31.2	344	14	US-10-198-846-10938	Sequence 81, Appl
C 269	5	31.2	264	10	US-09-983-965-919	Sequence 919, App	342	5	31.2	348	10	US-09-470-276-81	Sequence 39, Appl
270	5	31.2	264	10	US-09-983-965-1008	Sequence 1008, Ap	343	5	31.2	350	10	US-09-878-574-39	Sequence 39, Appl
C 271	5	31.2	264	10	US-09-983-965-1010	Sequence 1010, Ap	344	5	31.2	355	13	US-10-079-623-185	Sequence 185, App
C 272	5	31.2	265	9	US-09-923-876-5250	Sequence 5250, Ap	345	5	31.2	363	11	US-09-764-891-560	Sequence 560, App
273	5	31.2	266	12	US-09-814-353-3580	Sequence 3580, Ap	346	5	31.2	364	10	US-09-867-701-7943	Sequence 7943, Ap
274	5	31.2	266	12	US-09-814-353-3821	Sequence 3821, Ap	347	5	31.2	365	10	US-09-878-574-578	Sequence 578, App
275	5	31.2	266	12	US-09-814-353-9894	Sequence 9894, Ap	C 348	5	31.2	365	10	US-10-122-466A-6	Sequence 6, Appli
276	5	31.2	266	12	US-09-814-353-10130	Sequence 10130, A	349	5	31.2	370	10	US-09-878-574-1140	Sequence 1140, Ap
277	5	31.2	268	9	US-09-815-242-1706	Sequence 1706, Ap	C 350	5	31.2	370	11	US-09-918-995-7845	Sequence 7845, Ap
C 278	5	31.2	268	12	US-09-237-183A-2608	Sequence 2608, Ap	351	5	31.2	370	11	US-09-918-995-37645	Sequence 37645, A
C 279	5	31.2	269	10	US-09-983-965-1144	Sequence 1144, Ap	352	5	31.2	376	13	US-10-027-632-284362	Sequence 284362,
C 280	5	31.2	269	11	US-09-764-872-167	Sequence 167, App	C 353	5	31.2	377	8	US-08-781-986A-3906	Sequence 3906, Ap
C 281	5	31.2	273	14	US-10-083-357-609	Sequence 609, App	C 354	5	31.2	377	10	US-09-878-178-2140	Sequence 2140, Ap
282	5	31.2	278	12	US-09-873-367C-377	Sequence 377, App	C 355	5	31.2	377	13	US-10-046-935-2140	Sequence 2140, Ap
C 283	5	31.2	282	9	US-09-923-876-4105	Sequence 4105, Ap	C 356	5	31.2	377	14	US-10-146-502-2140	Sequence 2140, Ap
284	5	31.2	282	9	US-09-864-761-26566	Sequence 26566, A	357	5	31.2	379	9	US-09-764-860-199	Sequence 199, App
285	5	31.2	282	10	US-09-974-300-3936	Sequence 3936, Ap	358	5	31.2	379	9	US-09-764-860-993	Sequence 993, App
286	5	31.2	282	12	US-09-814-353-2357	Sequence 2357, Ap	359	5	31.2	379	14	US-10-074-095-199	Sequence 199, App
287	5	31.2	282	12	US-09-814-353-8695	Sequence 8695, Ap	360	5	31.2	379	14	US-10-074-095-993	Sequence 993, App
288	5	31.2	284	9	US-09-864-761-26790	Sequence 26790, A	361	5	31.2	380	10	US-09-960-352-13841	Sequence 13841, A
C 289	5	31.2	286	10	US-09-834-975-111	Sequence 111, App	362	5	31.2	381	9	US-09-815-242-8259	Sequence 8259, Ap
290	5	31.2	288	10	US-09-764-847-1048	Sequence 1048, Ap	C 363	5	31.2	383	10	US-09-878-574-1435	Sequence 1435, Ap
C 291	5	31.2	288	10	US-09-938-842A-2026	Sequence 2026, Ap	364	5	31.2	383	12	US-09-814-353-16278	Sequence 16278, A
292	5	31.2	288	14	US-10-092-154-1048	Sequence 1048, Ap	C 365	5	31.2	384	10	US-09-880-107-616	Sequence 616, App
293	5	31.2	289	10	US-09-783-590-7939	Sequence 7939, Ap	C 366	5	31.2	385	11	US-09-918-995-37711	Sequence 37711, A

367	5	31.2	10	US-09-867-701-6655	Sequence 6655, Ap	440	5	31.2	417	10	US-09-983-965-3644	Sequence 3644, Ap
368	5	31.2	10	US-09-974-300-5824	Sequence 5824, Ap	441	5	31.2	419	9	US-09-864-761-14195	Sequence 14195, A
369	5	31.2	10	US-09-764-869-1508	Sequence 1508, Ap	C 442	5	31.2	419	10	US-09-880-107-374	Sequence 374, App
370	5	31.2	9	US-09-764-869-1509	Sequence 1509, Ap	443	5	31.2	420	13	US-10-027-632-141616	Sequence 141616,
371	5	31.2	10	US-09-960-352-1972	Sequence 1972, Ap	444	5	31.2	423	10	US-09-960-352-8777	Sequence 8777, Ap
372	5	31.2	14	US-10-091-504-1508	Sequence 1508, Ap	C 445	5	31.2	423	13	US-10-027-632-85284	Sequence 85284, A
373	5	31.2	14	US-10-091-504-1509	Sequence 1509, Ap	C 446	5	31.2	424	10	US-09-938-842A-3801	Sequence 3801, Ap
374	5	31.2	10	US-09-867-701-8517	Sequence 8517, Ap	C 447	5	31.2	424	11	US-09-764-891-1171	Sequence 1171, Ap
375	5	31.2	9	US-09-815-242-2391	Sequence 2391, Ap	C 448	5	31.2	425	11	US-09-918-995-36438	Sequence 36438, A
376	5	31.2	9	US-09-815-242-2407	Sequence 2407, Ap	C 449	5	31.2	425	13	US-10-027-632-17756	Sequence 17756, A
377	5	31.2	13	US-10-027-632-38239	Sequence 38239, A	C 450	5	31.2	426	13	US-10-027-632-183053	Sequence 183053,
378	5	31.2	13	US-10-027-632-315480	Sequence 315480,	451	5	31.2	427	13	US-10-027-632-1244	Sequence 1244, Ap
379	5	31.2	13	US-09-878-574-1200	Sequence 1200, Ap	C 452	5	31.2	427	13	US-10-027-632-142052	Sequence 142052,
380	5	31.2	11	US-09-918-995-5691	Sequence 5691, Ap	C 453	5	31.2	427	13	US-10-027-632-183963	Sequence 183963,
381	5	31.2	9	US-09-833-790-208	Sequence 208, App	454	5	31.2	428	13	US-10-027-632-53271	Sequence 53271, A
382	5	31.2	10	US-09-292-758-73	Sequence 73, Appl	C 455	5	31.2	429	13	US-10-027-632-184037	Sequence 184037,
383	5	31.2	10	US-09-880-107-1369	Sequence 1369, Ap	456	5	31.2	429	13	US-10-027-632-312486	Sequence 312486,
384	5	31.2	8	US-08-781-986A-3733	Sequence 3733, Ap	457	5	31.2	430	11	US-09-918-995-11078	Sequence 11078, A
385	5	31.2	8	US-08-781-986A-4611	Sequence 4611, Ap	C 458	5	31.2	430	11	US-09-918-995-17456	Sequence 17456, A
386	5	31.2	10	US-09-960-352-5230	Sequence 5230, Ap	459	5	31.2	430	13	US-10-027-632-182379	Sequence 182379,
387	5	31.2	9	US-09-795-668-339	Sequence 339, App	C 460	5	31.2	431	13	US-10-027-632-183987	Sequence 183987,
388	5	31.2	9	US-09-795-668-411	Sequence 411, App	461	5	31.2	432	13	US-10-027-632-62167	Sequence 62167, A
389	5	31.2	9	US-09-795-668-925	Sequence 925, App	462	5	31.2	432	13	US-10-027-632-297571	Sequence 297571, A
390	5	31.2	9	US-09-795-668-926	Sequence 926, App	463	5	31.2	433	13	US-10-027-632-77014	Sequence 77014, A
391	5	31.2	9	US-09-795-668-927	Sequence 927, App	464	5	31.2	434	13	US-10-027-632-296895	Sequence 296895,
392	5	31.2	9	US-09-795-668-928	Sequence 928, App	C 465	5	31.2	435	11	US-09-918-995-6954	Sequence 6954, Ap
393	5	31.2	9	US-09-795-668-1206	Sequence 1206, Ap	466	5	31.2	436	9	US-09-764-869-364	Sequence 364, Appl
394	5	31.2	9	US-09-795-668-1219	Sequence 1219, Ap	467	5	31.2	436	10	US-09-928-457-12	Sequence 12, Appl
395	5	31.2	9	US-09-795-668-1220	Sequence 1220, Ap	468	5	31.2	436	13	US-10-027-632-55323	Sequence 55323, A
396	5	31.2	9	US-09-764-869-152	Sequence 152, App	469	5	31.2	436	13	US-10-027-632-295103	Sequence 295103,
397	5	31.2	9	US-09-795-686-339	Sequence 339, App	470	5	31.2	436	14	US-10-091-504-364	Sequence 364, App
398	5	31.2	9	US-09-795-686-411	Sequence 411, App	471	5	31.2	438	13	US-10-027-632-55997	Sequence 55997, A
399	5	31.2	9	US-09-795-686-925	Sequence 925, App	472	5	31.2	438	13	US-10-027-632-64221	Sequence 64221, A
400	5	31.2	9	US-09-795-686-926	Sequence 926, App	473	5	31.2	438	13	US-10-027-632-296924	Sequence 296924,
401	5	31.2	9	US-09-795-686-927	Sequence 927, App	474	5	31.2	438	13	US-10-027-632-296925	Sequence 296925,
402	5	31.2	9	US-09-795-686-928	Sequence 928, App	475	5	31.2	439	10	US-09-960-352-3931	Sequence 3931, Ap
403	5	31.2	9	US-09-795-686-1206	Sequence 1206, Ap	C 476	5	31.2	439	13	US-10-027-632-62484	Sequence 62484, A
404	5	31.2	9	US-09-795-686-1219	Sequence 1219, Ap	477	5	31.2	441	12	US-10-349-680-167	Sequence 167, App
405	5	31.2	9	US-09-795-686-1220	Sequence 1220, Ap	478	5	31.2	441	14	US-10-214-932-109	Sequence 109, App
406	5	31.2	10	US-09-946-807-339	Sequence 339, App	479	5	31.2	442	10	US-09-560-863-700	Sequence 700, App
407	5	31.2	10	US-09-946-807-411	Sequence 411, App	480	5	31.2	442	10	US-09-867-701-2285	Sequence 2285, Ap
408	5	31.2	10	US-09-946-807-925	Sequence 925, App	C 481	5	31.2	442	10	US-09-960-352-11434	Sequence 11434, A
409	5	31.2	10	US-09-946-807-926	Sequence 926, App	482	5	31.2	444	11	US-09-764-891-553	Sequence 553, App
410	5	31.2	10	US-09-946-807-927	Sequence 927, App	C 483	5	31.2	445	10	US-09-880-107-3525	Sequence 3525, Ap
411	5	31.2	10	US-09-946-807-928	Sequence 928, App	484	5	31.2	445	13	US-10-027-632-37326	Sequence 37326, A
412	5	31.2	10	US-09-946-807-1206	Sequence 1206, Ap	C 485	5	31.2	445	13	US-10-027-632-90564	Sequence 90564, A
413	5	31.2	10	US-09-946-807-1219	Sequence 1219, Ap	C 486	5	31.2	447	13	US-10-027-632-90565	Sequence 90565, A
414	5	31.2	10	US-09-946-807-1220	Sequence 1220, Ap	C 487	5	31.2	448	10	US-09-962-832-76	Sequence 76, Appl
415	5	31.2	14	US-10-091-504-152	Sequence 152, App	488	5	31.2	448	10	US-09-954-456-29	Sequence 29, Appl
416	5	31.2	10	US-09-954-456-17	Sequence 17, Appl	489	5	31.2	448	10	US-09-967-768A-289	Sequence 289, App
417	5	31.2	10	US-09-954-456-616	Sequence 616, App	490	5	31.2	448	12	US-09-873-367C-391	Sequence 391, App
418	5	31.2	10	US-09-867-701-2237	Sequence 2237, Ap	C 491	5	31.2	450	10	US-09-910-664-59	Sequence 59, Appl
419	5	31.2	10	US-09-983-965-540	Sequence 540, App	492	5	31.2	451	11	US-09-918-995-13315	Sequence 13315, A
420	5	31.2	11	US-09-918-995-12465	Sequence 12465, A	C 493	5	31.2	452	10	US-09-878-178-688	Sequence 688, App
421	5	31.2	10	US-09-960-352-4629	Sequence 4629, Ap	C 494	5	31.2	452	13	US-10-046-935-688	Sequence 688, App
422	5	31.2	10	US-09-974-300-4861	Sequence 4861, Ap	C 495	5	31.2	452	14	US-10-146-502-688	Sequence 688, App
423	5	31.2	11	US-09-918-995-7553	Sequence 7553, Ap	C 496	5	31.2	454	11	US-09-918-995-12516	Sequence 12516, A
424	5	31.2	9	US-09-864-761-3138	Sequence 3138, Ap	C 497	5	31.2	454	11	US-09-918-995-25016	Sequence 25016, A
425	5	31.2	9	US-09-815-242-9035	Sequence 9035, Ap	498	5	31.2	454	13	US-10-027-632-39306	Sequence 39306, A
426	5	31.2	10	US-09-878-574-5188	Sequence 5188, Ap	499	5	31.2	454	13	US-10-027-632-40679	Sequence 40679, A
427	5	31.2	10	US-09-880-107-633	Sequence 633, App	500	5	31.2	455	10	US-09-960-352-4095	Sequence 4095, Ap
428	5	31.2	13	US-10-027-632-81370	Sequence 81370, A	501	5	31.2	455	10	US-09-736-457-720	Sequence 720, App
429	5	31.2	14	US-10-198-846-4935	Sequence 4935, Ap	502	5	31.2	455	10	US-09-902-941-720	Sequence 720, App
430	5	31.2	9	US-09-778-320-254	Sequence 254, App	503	5	31.2	455	10	US-09-849-626-720	Sequence 720, App
431	5	31.2	9	US-09-910-689-254	Sequence 254, App	504	5	31.2	455	11	US-09-476-300-720	Sequence 720, App
432	5	31.2	11	US-09-918-995-16583	Sequence 16583, A	505	5	31.2	455	12	US-10-113-872-720	Sequence 720, App
433	5	31.2	13	US-10-010-742-254	Sequence 254, App	506	5	31.2	455	13	US-10-027-632-42266	Sequence 42266, A
434	5	31.2	10	US-09-960-352-8460	Sequence 8460, Ap	C 507	5	31.2	455	13	US-10-027-632-180865	Sequence 180865,
435	5	31.2	10	US-09-867-701-2234	Sequence 2234, Ap	C 508	5	31.2	455	13	US-10-027-632-195922	Sequence 195922,
436	5	31.2	10	US-09-983-965-692	Sequence 692, App	C 509	5	31.2	455	13	US-10-027-632-302594	Sequence 302594,
437	5	31.2	13	US-10-027-632-281704	Sequence 281704,	510	5	31.2	455	14	US-10-017-754-720	Sequence 720, App
438	5	31.2	11	US-09-918-995-6574	Sequence 6574, Ap	C 511	5	31.2	456	13	US-10-027-632-86814	Sequence 86814, A
439	5	31.2	11	US-09-918-995-17445	Sequence 17445, A	512	5	31.2	457	13	US-10-027-632-71027	Sequence 71027, A

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c 514	5	31.2	458	10	US-09-983-965-2701	Sequence 2701, Ap	587	5	31.2	488	11	US-09-918-995-10462	Sequence 10462, A
c 515	5	31.2	458	13	US-10-027-632-87500	Sequence 87500, A	588	5	31.2	488	14	US-10-102-524-742	Sequence 742, App
c 516	5	31.2	458	13	US-10-027-632-87501	Sequence 87501, A	589	5	31.2	489	10	US-09-974-300-3525	Sequence 3525, Ap
c 517	5	31.2	459	10	US-09-736-457-625	Sequence 625, App	c 590	5	31.2	490	9	US-09-864-761-10986	Sequence 10986, A
c 518	5	31.2	459	10	US-09-902-941-625	Sequence 625, App	c 591	5	31.2	490	12	US-10-161-051-69	Sequence 69, Appl
c 519	5	31.2	459	10	US-09-849-626-625	Sequence 625, App	592	5	31.2	492	10	US-09-933-797-305	Sequence 305, App
c 520	5	31.2	459	11	US-09-476-300-625	Sequence 625, App	c 593	5	31.2	492	12	US-10-007-926A-32	Sequence 32, Appl
c 521	5	31.2	459	12	US-10-113-872-625	Sequence 625, App	594	5	31.2	492	12	US-10-161-051-66	Sequence 66, Appl
c 522	5	31.2	459	14	US-10-017-754-625	Sequence 625, App	c 595	5	31.2	493	11	US-09-918-995-6202	Sequence 6202, Ap
c 523	5	31.2	460	10	US-09-880-107-537	Sequence 537, App	c 596	5	31.2	493	13	US-10-027-632-4240	Sequence 4240, Ap
c 524	5	31.2	460	10	US-09-187-693-22	Sequence 22, Appl	597	5	31.2	494	13	US-10-027-632-191863	Sequence 191863,
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526	5	31.2	460	12	US-09-814-353-16514	Sequence 16514, A	599	5	31.2	495	9	US-09-864-761-234	Sequence 234, App
c 527	5	31.2	461	11	US-09-918-995-11023	Sequence 11023, A	600	5	31.2	497	10	US-09-783-590-2863	Sequence 2863, Ap
c 528	5	31.2	463	9	US-09-770-444-372	Sequence 372, App	601	5	31.2	497	13	US-10-027-632-47670	Sequence 47670, A
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c 530	5	31.2	463	11	US-09-918-995-11517	Sequence 11517, A	603	5	31.2	498	10	US-09-783-590-10187	Sequence 10187, A
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c 532	5	31.2	464	13	US-10-001-876-49	Sequence 49, Appl	605	5	31.2	498	11	US-09-770-961-467	Sequence 467, App
c 533	5	31.2	466	10	US-09-764-847-1806	Sequence 1806, Ap	606	5	31.2	498	13	US-10-027-632-12988	Sequence 12988, A
c 534	5	31.2	466	11	US-09-918-995-15246	Sequence 15246, A	c 607	5	31.2	498	13	US-10-027-632-66668	Sequence 66668, A
c 535	5	31.2	466	13	US-10-027-632-37785	Sequence 37785, A	c 608	5	31.2	498	13	US-10-027-632-68645	Sequence 68645, A
c 536	5	31.2	466	13	US-10-027-632-37786	Sequence 37786, A	c 609	5	31.2	498	13	US-10-027-632-296041	Sequence 296041,
c 537	5	31.2	466	13	US-10-027-632-309616	Sequence 309616,	c 610	5	31.2	499	11	US-09-918-995-25730	Sequence 25730, A
c 538	5	31.2	466	14	US-10-092-154-1806	Sequence 1806, Ap	611	5	31.2	500	11	US-09-991-936-1106	Sequence 1106, Ap
c 539	5	31.2	467	11	US-09-918-995-4635	Sequence 4635, Ap	c 612	5	31.2	500	11	US-09-991-936-1672	Sequence 1672, Ap
c 540	5	31.2	468	11	US-09-918-995-24217	Sequence 24217, A	613	5	31.2	500	13	US-10-027-632-127177	Sequence 127177,
541	5	31.2	468	13	US-10-027-632-305090	Sequence 305090,	614	5	31.2	500	14	US-10-060-830-32	Sequence 32, Appl
c 542	5	31.2	469	9	US-09-864-761-19917	Sequence 19917, A	615	5	31.2	501	10	US-09-783-590-12116	Sequence 12116, A
543	5	31.2	469	11	US-09-764-891-5932	Sequence 5932, Ap	c 616	5	31.2	504	10	US-09-839-894-3	Sequence 3, Appl
544	5	31.2	469	11	US-09-764-891-5935	Sequence 5935, Ap	c 617	5	31.2	504	10	US-09-796-692-2663	Sequence 2663, Ap
c 545	5	31.2	470	9	US-09-770-444-184	Sequence 184, App	c 618	5	31.2	504	11	US-09-822-846-476	Sequence 476, App
c 546	5	31.2	470	11	US-09-918-995-22908	Sequence 22908, A	619	5	31.2	504	13	US-10-027-632-56425	Sequence 56425, A
c 547	5	31.2	471	9	US-09-864-761-5685	Sequence 5685, Ap	c 620	5	31.2	504	13	US-10-027-632-266694	Sequence 266694,
c 548	5	31.2	472	11	US-09-918-995-23390	Sequence 23390, A	621	5	31.2	504	13	US-10-027-632-300632	Sequence 300632,
c 549	5	31.2	473	9	US-09-864-761-6443	Sequence 6443, Ap	c 622	5	31.2	504	14	US-10-040-862-2663	Sequence 2663, Ap
c 550	5	31.2	473	9	US-09-864-761-15464	Sequence 15464, A	c 623	5	31.2	505	13	US-10-027-632-43691	Sequence 43691, A
c 551	5	31.2	473	13	US-10-027-632-315350	Sequence 315350,	624	5	31.2	505	13	US-10-027-632-61582	Sequence 61582, A
c 552	5	31.2	474	10	US-09-974-300-2953	Sequence 2953, Ap	625	5	31.2	506	9	US-09-764-887-75	Sequence 75, Appl
c 553	5	31.2	474	13	US-10-027-632-174521	Sequence 174521,	626	5	31.2	506	14	US-10-073-961-75	Sequence 75, Appl
c 554	5	31.2	475	11	US-09-918-995-23334	Sequence 23334, A	c 627	5	31.2	507	13	US-10-027-632-225245	Sequence 225245,
c 555	5	31.2	475	13	US-10-027-632-77718	Sequence 77718, A	c 628	5	31.2	507	13	US-10-027-632-225246	Sequence 225246,
c 556	5	31.2	476	11	US-09-918-995-19586	Sequence 19586, A	629	5	31.2	508	13	US-10-027-632-45314	Sequence 45314, A
c 557	5	31.2	476	13	US-10-027-632-189137	Sequence 189137,	630	5	31.2	508	13	US-10-027-632-62451	Sequence 62451, A
c 558	5	31.2	477	9	US-09-815-242-4791	Sequence 4791, Ap	631	5	31.2	508	13	US-10-027-632-107767	Sequence 107767,
c 559	5	31.2	477	10	US-09-960-352-3764	Sequence 3764, Ap	c 632	5	31.2	509	13	US-10-027-632-67912	Sequence 67912, A
c 560	5	31.2	478	9	US-09-770-444-12	Sequence 12, Appl	c 633	5	31.2	509	13	US-10-027-632-69175	Sequence 69175, A
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c 564	5	31.2	480	13	US-10-027-632-88971	Sequence 88971, A	c 637	5	31.2	509	13	US-10-027-632-311484	Sequence 311484,
565	5	31.2	481	11	US-09-770-961-930	Sequence 930, App	638	5	31.2	510	13	US-10-044-090-623	Sequence 623, App
566	5	31.2	481	13	US-10-027-632-44501	Sequence 44501, A	639	5	31.2	510	13	US-10-071-766-54	Sequence 54, Appl
c 567	5	31.2	482	9	US-09-864-761-15742	Sequence 15742, A	c 640	5	31.2	510	13	US-10-027-632-310683	Sequence 310683,
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569	5	31.2	482	13	US-10-027-632-77530	Sequence 77530, A	c 642	5	31.2	511	12	US-10-029-386-8209	Sequence 8209, Ap
570	5	31.2	482	13	US-10-027-632-300490	Sequence 300490,	c 643	5	31.2	511	13	US-10-027-632-274246	Sequence 274246,
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c 572	5	31.2	483	11	US-09-918-995-11921	Sequence 11921, A	645	5	31.2	512	10	US-09-974-300-2446	Sequence 2446, Ap
c 573	5	31.2	483	13	US-10-027-632-4248	Sequence 4248, Ap	646	5	31.2	512	12	US-10-029-386-11378	Sequence 11378, A
574	5	31.2	483	14	US-10-198-846-1612	Sequence 1612, Ap	c 647	5	31.2	512	13	US-10-027-632-16170	Sequence 16170, A
575	5	31.2	483	14	US-10-313-542-189	Sequence 189, App	c 648	5	31.2	512	13	US-10-027-632-98348	Sequence 98348, A
c 576	5	31.2	484	10	US-09-919-580-53	Sequence 53, Appl	c 649	5	31.2	512	13	US-10-027-632-98349	Sequence 98349, A
c 577	5	31.2	485	9	US-09-864-761-2098	Sequence 2098, Ap	c 650	5	31.2	512	13	US-10-027-632-98350	Sequence 98350, A
c 578	5	31.2	485	13	US-10-027-632-292689	Sequence 292689,	c 651	5	31.2	512	13	US-10-027-632-140591	Sequence 140591,
c 579	5	31.2	485	14	US-10-060-036-1173	Sequence 1173, Ap	652	5	31.2	512	13	US-10-027-632-272614	Sequence 272614,
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c 581	5	31.2	486	11	US-09-918-995-31916	Sequence 31916, A	c 654	5	31.2	513	12	US-10-029-386-909	Sequence 909, App
c 582	5	31.2	486	13	US-10-027-632-255260	Sequence 255260,	c 655	5	31.2	513	12	US-10-029-386-5145	Sequence 5145, Ap
c 583	5	31.2	486	13	US-10-027-632-255261	Sequence 255261,	656	5	31.2	514	10	US-09-867-701-2370	Sequence 2370, Ap
c 584	5	31.2	487	10	US-09-969-347-307	Sequence 307, App	657	5	31.2	515	11	US-09-918-995-3367	Sequence 3367, Ap
585	5	31.2	487	12	US-10-161-051-67	Sequence 67, Appl	658	5	31.2	515	13	US-10-027-632-57317	Sequence 57317, A

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C 806	5	31.2	570	13	US-10-027-632-142846	Sequence 142846,	C 879	5	31.2	588	9	US-09-864-761-16491	Sequence 16491, A
C 807	5	31.2	570	13	US-10-027-632-246188	Sequence 246188,	C 880	5	31.2	588	11	US-09-918-995-27407	Sequence 27407, A
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C 810	5	31.2	571	13	US-10-027-632-275180	Sequence 275180,	C 883	5	31.2	590	12	US-09-814-353-12975	Sequence 12975, A
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C 812	5	31.2	572	13	US-10-027-632-87424	Sequence 87424, A	C 885	5	31.2	590	13	US-10-027-632-45620	Sequence 45620, A
C 813	5	31.2	572	13	US-10-027-632-215909	Sequence 215909,	C 886	5	31.2	590	13	US-10-027-632-49213	Sequence 49213, A
C 814	5	31.2	572	13	US-10-027-632-220275	Sequence 220275,	C 887	5	31.2	590	13	US-10-027-632-49214	Sequence 49214, A
C 815	5	31.2	572	13	US-10-027-632-220276	Sequence 220276,	C 888	5	31.2	590	13	US-10-027-632-49215	Sequence 49215, A
C 816	5	31.2	572	13	US-10-027-632-227891	Sequence 227891,	C 889	5	31.2	590	13	US-10-027-632-49216	Sequence 49216, A
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C 818	5	31.2	572	13	US-10-027-632-235456	Sequence 235456,	C 891	5	31.2	591	9	US-09-815-242-8797	Sequence 8797, Ap
C 819	5	31.2	572	13	US-10-027-632-293177	Sequence 293177,	C 892	5	31.2	591	12	US-10-029-386-13225	Sequence 13225, A
C 820	5	31.2	572	13	US-10-027-632-316640	Sequence 316640,	C 893	5	31.2	592	9	US-09-864-761-13139	Sequence 13139, A
C 821	5	31.2	573	10	US-09-974-300-7542	Sequence 7542, Ap	C 894	5	31.2	592	13	US-10-027-632-83215	Sequence 83215, A
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C 823	5	31.2	574	13	US-10-027-632-219109	Sequence 219109,	C 896	5	31.2	593	13	US-10-027-632-227585	Sequence 227585,
C 824	5	31.2	575	12	US-09-814-353-200	Sequence 200, App	C 897	5	31.2	594	9	US-09-764-878-196	Sequence 196, App
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C 826	5	31.2	575	12	US-10-029-386-149	Sequence 149, App	C 899	5	31.2	594	13	US-10-027-632-27817	Sequence 27817, A
C 827	5	31.2	576	12	US-10-029-386-10564	Sequence 10564, A	C 900	5	31.2	594	13	US-10-027-632-27818	Sequence 27818, A
C 828	5	31.2	577	9	US-09-864-761-13689	Sequence 13689, A	C 901	5	31.2	594	13	US-10-027-632-27819	Sequence 27819, A
C 829	5	31.2	577	13	US-10-027-632-226298	Sequence 226298,	C 902	5	31.2	594	13	US-10-027-632-248980	Sequence 248980,
C 830	5	31.2	577	13	US-10-027-632-232356	Sequence 232356,	C 903	5	31.2	594	13	US-10-027-632-248981	Sequence 248981,
C 831	5	31.2	577	13	US-10-027-632-253838	Sequence 253838,	C 904	5	31.2	594	13	US-10-027-632-248982	Sequence 248982,
C 832	5	31.2	578	9	US-09-864-761-14930	Sequence 14930, A	C 905	5	31.2	594	13	US-10-027-632-248983	Sequence 248983,
C 833	5	31.2	579	9	US-09-864-761-13176	Sequence 13176, A	C 906	5	31.2	594	14	US-10-079-854-196	Sequence 196, App
C 834	5	31.2	579	13	US-10-027-632-77965	Sequence 77965, A	C 907	5	31.2	595	11	US-09-871-161-452	Sequence 452, App
C 835	5	31.2	579	13	US-10-027-632-77966	Sequence 77966, A	C 908	5	31.2	595	13	US-10-027-632-211840	Sequence 211840,
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C 837	5	31.2	580	13	US-10-027-632-87509	Sequence 87509, A	C 910	5	31.2	596	12	US-09-814-353-15079	Sequence 15079, A
C 838	5	31.2	580	13	US-10-027-632-87510	Sequence 87510, A	C 911	5	31.2	596	13	US-10-027-632-40938	Sequence 40938, A
C 839	5	31.2	580	13	US-10-027-632-194081	Sequence 194081,	C 912	5	31.2	596	13	US-10-027-632-230755	Sequence 230755,
C 840	5	31.2	580	13	US-10-027-632-194082	Sequence 194082,	C 913	5	31.2	596	13	US-10-027-632-230756	Sequence 230756,
C 841	5	31.2	580	13	US-10-027-632-205053	Sequence 205053,	C 914	5	31.2	596	13	US-10-027-632-230757	Sequence 230757,
C 842	5	31.2	580	13	US-10-027-632-251456	Sequence 251456,	C 915	5	31.2	596	13	US-10-027-632-238876	Sequence 238876,
C 843	5	31.2	580	13	US-10-027-632-251457	Sequence 251457,	C 916	5	31.2	598	13	US-10-027-632-75726	Sequence 75726, A
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C 846	5	31.2	581	13	US-10-027-632-67697	Sequence 67697, A	C 919	5	31.2	598	13	US-10-027-632-203513	Sequence 203513,
C 847	5	31.2	582	13	US-10-027-632-15114	Sequence 15114, A	C 920	5	31.2	598	13	US-10-027-632-217268	Sequence 217268,
C 848	5	31.2	582	13	US-10-027-632-15115	Sequence 15115, A	C 921	5	31.2	598	13	US-10-027-632-219622	Sequence 219622,
C 849	5	31.2	582	13	US-10-027-632-15116	Sequence 15116, A	C 922	5	31.2	598	13	US-10-027-632-219623	Sequence 219623,
C 850	5	31.2	582	13	US-10-027-632-228462	Sequence 228462,	C 923	5	31.2	598	13	US-10-027-632-222469	Sequence 222469,
C 851	5	31.2	583	12	US-10-029-386-4934	Sequence 4934, Ap	C 924	5	31.2	598	13	US-10-027-632-241215	Sequence 241215,
C 852	5	31.2	583	13	US-10-027-632-208750	Sequence 208750,	C 925	5	31.2	598	13	US-10-027-632-273382	Sequence 273382,
C 853	5	31.2	583	13	US-10-027-632-208751	Sequence 208751,	C 926	5	31.2	599	9	US-09-864-761-12068	Sequence 12068, A
C 854	5	31.2	583	13	US-10-027-632-209025	Sequence 209025,	C 927	5	31.2	599	9	US-09-864-761-12923	Sequence 12923, A
C 855	5	31.2	583	14	US-10-198-846-5827	Sequence 5827, Ap	C 928	5	31.2	599	13	US-10-027-632-206581	Sequence 206581,
C 856	5	31.2	584	9	US-09-864-761-9891	Sequence 9891, Ap	C 929	5	31.2	599	13	US-10-027-632-251206	Sequence 251206,
C 857	5	31.2	584	11	US-09-918-995-12576	Sequence 12576, A	C 930	5	31.2	600	9	US-09-864-761-15322	Sequence 15322, A
C 858	5	31.2	584	13	US-10-027-632-128171	Sequence 128171,	C 931	5	31.2	600	12	US-09-814-353-20400	Sequence 20400, A
C 859	5	31.2	584	13	US-10-027-632-189089	Sequence 189089,	C 932	5	31.2	600	12	US-10-029-386-860	Sequence 860, App
C 860	5	31.2	585	9	US-09-956-004-45	Sequence 45, Appl	C 933	5	31.2	600	13	US-10-027-632-743	Sequence 743, App
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C 863	5	31.2	585	13	US-10-027-632-107325	Sequence 107325,	C 936	5	31.2	601	13	US-10-109-860-13	Sequence 13, Appl
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C 866	5	31.2	585	13	US-10-027-632-203503	Sequence 203503,	C 939	5	31.2	602	13	US-10-027-632-187304	Sequence 187304,
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C 868	5	31.2	585	13	US-10-027-632-209820	Sequence 209820,	C 941	5	31.2	602	13	US-10-027-632-16716	Sequence 16716, A
C 869	5	31.2	585	13	US-10-027-632-213861	Sequence 213861,	C 942	5	31.2	603	13	US-10-027-632-46445	Sequence 46445, A
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C 871	5	31.2	585	13	US-10-027-632-222013	Sequence 226059,	C 944	5	31.2	603	13	US-10-027-632-46447	Sequence 46447, A
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C 873	5	31.2	585	14	US-10-027-632-247541	Sequence 247541,	C 946	5	31.2	603	13	US-10-027-632-218959	Sequence 218959,
C 874	5	31.2	586	12	US-10-029-386-13563	Sequence 46, Appl	C 947	5	31.2	603	13	US-10-027-632-218960	Sequence 218960,
C 875	5	31.2	586	13	US-10-027-632-41238	Sequence 13563, A	C 948	5	31.2	604	11	US-09-791-279-90	Sequence 90, Appl
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C 877	5	31.2	587	13	US-10-027-632-322074	Sequence 322074,	C 950	5	31.2	604	13	US-10-027-632-48579	Sequence 48579, A

951 5 31.2 604 13 US-10-027-632-212350
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996 5 31.2 611 14 US-10-200-659-4
997 5 31.2 612 12 US-10-032-585-6479
998 5 31.2 612 13 US-10-027-632-217835
999 5 31.2 612 13 US-10-027-632-217836
c1000 5 31.2 612 13 US-10-027-632-217837

ALIGNMENTS

RESULT 1
US-09-738-973-442
; Sequence 442, Application US/09738973
; Patent No. US20020110563A1
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Fling, Steven P.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Algate, Paul A.
; APPLICANT: Secrist, Heather
; APPLICANT: Indirias, Carol Yoseph
; APPLICANT: Benson, Darin R.
; APPLICANT: Eliot, Mark
; APPLICANT: Mannion, Jane
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: THE THERAPY AND METHODS FOR LUNG CANCER

Sequence 212350,
Sequence 212351,
Sequence 68324, A
Sequence 104973,
Sequence 104974,
Sequence 246189,
Sequence 246190,
Sequence 246191,
Sequence 295039,
Sequence 262374,
Sequence 566, App
Sequence 33, Appl
Sequence 566, App
Sequence 887, App
Sequence 35831, A
Sequence 35832, A
Sequence 69902, A
Sequence 194682,
Sequence 269928,
Sequence 294613,
Sequence 312959,
Sequence 35579, A
Sequence 35580, A
Sequence 42990, A
Sequence 42991, A
Sequence 58011, A
Sequence 64595, A
Sequence 64596, A
Sequence 180774,
Sequence 180775,
Sequence 206027,
Sequence 219892,
Sequence 220922,
Sequence 220923,
Sequence 220924,
Sequence 220925,
Sequence 224090,
Sequence 225989,
Sequence 231472,
Sequence 239889,
Sequence 244192,
Sequence 310661,
Sequence 310662,
Sequence 320255,
Sequence 320256,
Sequence 4, Appli
Sequence 6479, Ap
Sequence 217835,
Sequence 217836,
Sequence 217837,

; FILE REFERENCE: 210121.475C9
; CURRENT APPLICATION NUMBER: US/09/738,973
; CURRENT FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 587
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 442
; LENGTH: 337
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-738-973-442

Alignment Scores:
Pred. No.: 3.74e-09 Length: 337
Score: 16.00 Matches: 16
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 10 Gaps: 0

US-09-854-133-587 (1-16) x US-09-738-973-442 (1-337)

QY 1 PheGlnAlaAsnCysGlyIleAspPheIleIlePheTrpIlePheTrp 16
Db 107 TTCCAGGCCAATTGTGGCATAGATTTATCATATTCCTGGATTTTGG 154

RESULT 2
US-09-854-133-442
; Sequence 442, Application US/09854133
; Publication No. US20020183499A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Henderson, Robert A.
; APPLICANT: Benson, Darin R.
; APPLICANT: Secrist, Heather
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; FILE REFERENCE: 210121.475C10
; CURRENT APPLICATION NUMBER: US/09/854,133
; CURRENT FILING DATE: 2001-05-11
; NUMBER OF SEQ ID NOS: 735
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 442
; LENGTH: 337
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-854-133-442

Alignment Scores:
Pred. No.: 3.74e-09 Length: 337
Score: 16.00 Matches: 16
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 10 Gaps: 0

US-09-854-133-587 (1-16) x US-09-854-133-442 (1-337)

QY 1 PheGlnAlaAsnCysGlyIleAspPheIleIlePheTrpIlePheTrp 16
Db 107 TTCCAGGCCAATTGTGGCATAGATTTATCATATTCCTGGATTTTGG 154

RESULT 3
US-10-144-649A-442
; Sequence 442, Application US/10144649A
; Publication No. US20030118599A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Algate, Paul A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR

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; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C11
; CURRENT APPLICATION NUMBER: US/10/144,649A
; CURRENT FILING DATE: 2002-08-21
; NUMBER OF SEQ ID NOS: 749
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 442
; LENGTH: 337
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-144-649A-442
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Alignment Scores:
Pred. No.:      3.74e-09      Length:      337
Score:          16.00        Matches:      16
Percent Similarity: 100.00%   Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match:    100.00%      Indels: 0
DB:             14          Gaps: 0
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US-09-854-133-587 (1-16) x US-10-144-649A-442 (1-337)

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QY      1 PheGlnAlaAsnCysGlyIleAspPheIleIlePheTrpIlePheTrp 16
      |||||||
Db      107 TTCCAGGCCAATTGTGGCATAGATTTTATCATATTCGGATTTTGG 154
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RESULT 4

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US-10-144-649A-741
; Sequence 741, Application US/10144649A
; Publication No. US20030118599A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Algate, Paul A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C11
; CURRENT APPLICATION NUMBER: US/10/144,649A
; CURRENT FILING DATE: 2002-08-21
; NUMBER OF SEQ ID NOS: 749
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 741
; LENGTH: 342
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-144-649A-741
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Alignment Scores:
Pred. No.:      3.79e-09      Length:      342
Score:          16.00        Matches:      16
Percent Similarity: 100.00%   Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match:    100.00%      Indels: 0
DB:             14          Gaps: 0
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US-09-854-133-587 (1-16) x US-10-144-649A-741 (1-342)

```
QY      1 PheGlnAlaAsnCysGlyIleAspPheIleIlePheTrpIlePheTrp 16
      |||||||
Db      154 TTCCAGGCCAATTGTGGCATAGATTTTATCATATTCGGATTTTGG 201
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RESULT 5

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US-09-738-973-440
; Sequence 440, Application US/09738973
; Patent No. US20020110563A1
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Fling, Steven P.
; APPLICANT: Mohamath, Raodoh
```

```
; APPLICANT: Algate, Paul A.
; APPLICANT: Secrist, Heather
; APPLICANT: Indirias, Carol Yoseph
; APPLICANT: Benson, Darin R.
; APPLICANT: Elliot, Mark
; APPLICANT: Mannion, Jane
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C9
; CURRENT APPLICATION NUMBER: US/09/738,973
; CURRENT FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 587
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 440
; LENGTH: 2239
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-738-973-440
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```
Alignment Scores:
Pred. No.:      2.26e-08      Length:      2239
Score:          16.00        Matches:      16
Percent Similarity: 100.00%   Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match:    100.00%      Indels: 0
DB:             10          Gaps: 0
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US-09-854-133-587 (1-16) x US-09-738-973-440 (1-2239)

```
QY      1 PheGlnAlaAsnCysGlyIleAspPheIleIlePheTrpIlePheTrp 16
      |||||||
Db      104 TTCCAGGCCAATTGTGGCATAGATTTTATCATATTCGGATTTTGG 151
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RESULT 6

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US-09-854-133-440
; Sequence 440, Application US/09854133
; Publication No. US20020183499A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Henderson, Robert A.
; APPLICANT: Benson, Darin R.
; APPLICANT: Secrist, Heather
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C10
; CURRENT APPLICATION NUMBER: US/09/854,133
; CURRENT FILING DATE: 2001-05-11
; NUMBER OF SEQ ID NOS: 735
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 440
; LENGTH: 2239
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-854-133-440
```

```
Alignment Scores:
Pred. No.:      2.26e-08      Length:      2239
Score:          16.00        Matches:      16
Percent Similarity: 100.00%   Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match:    100.00%      Indels: 0
DB:             10          Gaps: 0
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US-09-854-133-587 (1-16) x US-09-854-133-440 (1-2239)

```
QY      1 PheGlnAlaAsnCysGlyIleAspPheIleIlePheTrpIlePheTrp 16
      |||||||
Db      104 TTCCAGGCCAATTGTGGCATAGATTTTATCATATTCGGATTTTGG 151
```

RESULT 7

US-10-144-649A-440

; Sequence 440, Application US/10144649A
; Publication No. US20030118599A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Wang, Tongtong
; APPLICANT: Pan, Liqun
; APPLICANT: Algate, Paul A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C11
; CURRENT APPLICATION NUMBER: US/10/144,649A
; CURRENT FILING DATE: 2002-08-21
; NUMBER OF SEQ ID NOS: 749
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 440
; LENGTH: 2239
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-144-649A-440

Alignment Scores:
Pred. No.: 2.26e-08 Length: 2239
Score: 16.00 Matches: 16
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 14 Gaps: 0

US-09-854-133-587 (1-16) x US-10-144-649A-440 (1-2239)

QY 1 PheGlnAlaAsnCysGlyIleAspPheIleIlePheTrpIlePheTrp 16
|||||
Db 104 TTCCAGGCCAATTGTGGCATAGATTTTATCATATTCTGGATTTTGG 151

RESULT 8

US-09-738-973-441
; Sequence 441, Application US/09738973
; Patent No. US20020110563A1
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Fling, Steven P.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Algate, Paul A.
; APPLICANT: Secrist, Heather
; APPLICANT: Indirias, Carol Yoseph
; APPLICANT: Benson, Darin R.
; APPLICANT: Elliott, Mark
; APPLICANT: Mannion, Jane
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C9
; CURRENT APPLICATION NUMBER: US/09/738,973
; CURRENT FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 587
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 441
; LENGTH: 5981
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-738-973-441

Alignment Scores:
Pred. No.: 5.73e-08 Length: 5981
Score: 16.00 Matches: 16
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 10 Gaps: 0

US-09-854-133-587 (1-16) x US-09-738-973-441 (1-5981)

QY 1 PheGlnAlaAsnCysGlyIleAspPheIleIlePheTrpIlePheTrp 16
|||||
Db 102 TTCCAGGCCAATTGTGGCATAGATTTTATCATATTCTGGATTTTGG 149

RESULT 9

US-09-854-133-441
; Sequence 441, Application US/09854133
; Publication No. US20020183499A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Mohamath, Raodoh
; APPLICANT: Henderson, Robert A.
; APPLICANT: Benson, Darin R.
; APPLICANT: Secrist, Heather
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C10
; CURRENT APPLICATION NUMBER: US/09/854,133
; CURRENT FILING DATE: 2001-05-11
; NUMBER OF SEQ ID NOS: 735
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 441
; LENGTH: 5981
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-854-133-441

Alignment Scores:
Pred. No.: 5.73e-08 Length: 5981
Score: 16.00 Matches: 16
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 10 Gaps: 0

US-09-854-133-587 (1-16) x US-09-854-133-441 (1-5981)

QY 1 PheGlnAlaAsnCysGlyIleAspPheIleIlePheTrpIlePheTrp 16
|||||
Db 102 TTCCAGGCCAATTGTGGCATAGATTTTATCATATTCTGGATTTTGG 149

RESULT 10

US-10-144-649A-441
; Sequence 441, Application US/10144649A
; Publication No. US20030118599A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Wang, Tongtong
; APPLICANT: Pan, Liqun
; APPLICANT: Algate, Paul A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C11
; CURRENT APPLICATION NUMBER: US/10/144,649A
; CURRENT FILING DATE: 2002-08-21
; NUMBER OF SEQ ID NOS: 749
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 441
; LENGTH: 5981
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-144-649A-441

Alignment Scores:
Pred. No.: 5.73e-08 Length: 5981
Score: 16.00 Matches: 16
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 14 Gaps: 0

US-09-854-133-587 (1-16) x US-10-144-649A-441 (1-5981)

QY 1 PheGlnAlaAsnCysGlyIleAspPheIleIlePheTrpIlePheTrp 16
DQ 102 TTCCAGGCCCAATTGTGGCATAGATTTTATCATATTCTGGATTTTGG 149

RESULT 11

```

US-10-144-649A-740
; Sequence 740, Application US/10144649A
; Publication No. US20030118599A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Algate, Paul A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C11
; CURRENT APPLICATION NUMBER: US/10/144,649A
; CURRENT FILING DATE: 2002-08-21
; NUMBER OF SEQ ID NOS: 749
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 740
; LENGTH: 6080
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-144-649A-740

```

Alignment Scores:		
Pred. No.:	5.82e-08	6080
Score:	16.00	16
Percent Similarity:	100.00%	
Best Local Similarity:	100.00%	
Query Match:	100.00%	
DB:	14	
Length:		
Matches:		
Conservative:		
Mismatches:		
Indels:		
Gaps:		

US-09-854-133-587 (1-16) x US-10-144-649A-740 (1-6080)

QY 1 PheGlnAlaAsnCysGlyIleAspPheIleIlePheTrpIlePheTrp 16
db 196 TTCCAGGSCAAATTGTGGCATAGATTTTATCATATTCGTGGATTTTTTGG 243

RESULT 12

```

US-10-144-649A-747
; Sequence 747, Application US/10144649A
; Publication No. US20030118599A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Algate, Paul A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C11
; CURRENT APPLICATION NUMBER: US/10/144,649A
; CURRENT FILING DATE: 2002-08-21
; NUMBER OF SEQ ID NOS: 749
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 747
; LENGTH: 17672
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-144-649A-747

```

Alignment Scores:		
Pred. No.:	1.6e-07	17672
Score:	16.00	16
Percent Similarity:	100.00%	0
Best Local Similarity:	100.00%	0
Query Match:	100.00%	0
Length:		
Matches:		
Mismatches:		
Indels:		

DB:	14	Gaps:	0
-----	----	-------	---

US-09-854-133-587 (1-16) x US-10-144-649A-747 (1-17672)

QY 1 PheGlnAlaAsnCysGlyIleAspPheIleIlePheTrpIlePheTrp 16
|||
Db 7348 TTCCAGGCAATTGTGGCATAGATTTATCATATCTCGATTTTTGG 7395

RESULT 13

```

US-10-144-649A-746/c
; Sequence 746, Application US/10144649A
; Publication No. US20030118599A1
; GENERAL INFORMATION:
; APPLICANT: Lodes, Michael J.
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Algate, Paul A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; TITLE OF INVENTION: THE THERAPY AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.475C11
; CURRENT APPLICATION NUMBER: US/10/144,649A
; CURRENT FILING DATE: 2002-08-21
; NUMBER OF SEQ ID NOS: 749
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 746
; LENGTH: 161280
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-144-649A-746

```

Alignment Scores:		
Pred. No.:	1.31e-06	161280
Score:	16.00	16
Percent Similarity:	100.00%	
Best Local Similarity:	100.00%	
Query Match:	100.00%	
DB:	14	
	Length:	
	Matches:	
	Conservative:	0
	Mismatches:	0
	Indels:	0
	Gaps:	0

US-09-854-133-587 (1-16) X US-10-144-649A-746 (1-161280)

QY 1 PheGlnAlaAsnCysGlyIleAspPheIleIlePheTrpIlePheTrp 16
 27653 TTCACGCCCAATCTGGCATAGATTTATCATATTCGGATTTTGG 27606

RESULT 14

```

US-10-027-632-74269
; Sequence 74269, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 74269
; LENGTH: 474

```

```

; TYPE: DNA
; ORGANISM: Human
US-10-027-632-74269

Alignment Scores:
Pred. No.: 27.5 Length: 474
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 43.75% Indels: 0
DB: 13 Gaps: 0

US-09-854-133-587 (1-16) x US-10-027-632-74269 (1-474)

Qy 7 IleAspPheIleIlePheTrp 13
| | | | | | | | | | | | | | | |
Db 197 ATTGATTTCATAAATTTCTGG 217

RESULT 15
US-10-027-632-74270
; Sequence 74270, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 74270
; LENGTH: 474
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-74270

Alignment Scores:
Pred. No.: 27.5 Length: 474
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 43.75% Indels: 0
DB: 13 Gaps: 0

US-09-854-133-587 (1-16) x US-10-027-632-74270 (1-474)

Qy 7 IleAspPheIleIlePheTrp 13
| | | | | | | | | | | | | | | |
Db 197 ATTGATTTCATAAATTTCTGG 217

RESULT 16
US-10-027-632-180253
; Sequence 180253, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 74270
; LENGTH: 474
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-74270

Alignment Scores:
Pred. No.: 27.5 Length: 474
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 43.75% Indels: 0
DB: 13 Gaps: 0

US-09-854-133-587 (1-16) x US-10-027-632-74270 (1-474)

Qy 7 IleAspPheIleIlePheTrp 13
| | | | | | | | | | | | | | | |
Db 197 ATTGATTTCATAAATTTCTGG 217
```

```

; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 180253
; LENGTH: 474
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-180253

Alignment Scores:
Pred. No.: 27.5 Length: 474
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 43.75% Indels: 0
DB: 13 Gaps: 0

US-09-854-133-587 (1-16) x US-10-027-632-180253 (1-474)

Qy 7 IleAspPheIleIlePheTrp 13
| | | | | | | | | | | | | | | |
Db 197 ATTGATTTCATAAATTTCTGG 217

RESULT 17
US-10-027-632-299414
; Sequence 299414, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 299414
; LENGTH: 474
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-299414

Alignment Scores:
Pred. No.: 27.5 Length: 474
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
```

Best Local Similarity: 100.00% Mismatches: 0
Query Match: 43.75% Indels: 0
DB: 13 Gaps: 0

US-09-854-133-587 (1-16) x US-10-027-632-299414 (1-474)

QY 7 IleAspPheIleIlePheTrp 13
|||||
Db 197 ATTGATTTCATAATTTCTCGG 217

RESULT 18

US-10-027-632-299415
; Sequence 299415, Application US/10027632
; GENERAL INFORMATION:

; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 299415
; LENGTH: 474
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-299415

Alignment Scores:

Pred. No.: 27.5 Length: 474
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 43.75% Indels: 0
DB: 13 Gaps: 0

US-09-854-133-587 (1-16) x US-10-027-632-299415 (1-474)

QY 7 IleAspPheIleIlePheTrp 13
|||||
Db 197 ATTGATTTCATAATTTCTCGG 217

RESULT 19

US-10-027-632-74157/c
; Sequence 74157, Application US/10027632
; GENERAL INFORMATION:

; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218

; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 74157
; LENGTH: 537
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-74157

Alignment Scores:

Pred. No.: 31 Length: 537
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 43.75% Indels: 0
DB: 13 Gaps: 0

US-09-854-133-587 (1-16) x US-10-027-632-74157 (1-537)

QY 10 IleIlePheTrpIlePheTrp 16
|||||
Db 127 ATAATATTTGGATATCTGG 107

RESULT 20

US-10-027-632-299353/c
; Sequence 299353, Application US/10027632
; GENERAL INFORMATION:

; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 299353
; LENGTH: 537
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-299353

Alignment Scores:

Pred. No.: 31 Length: 537
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 43.75% Indels: 0
DB: 13 Gaps: 0

US-09-854-133-587 (1-16) x US-10-027-632-299353 (1-537)

QY 10 IleIlePheTrpIlePheTrp 16
|||||

Db 127 ATAATATTTGGATATTCTGG 107

RESULT 21

US-10-027-632-44026/c

; Sequence 44026, Application US/10027632

; GENERAL INFORMATION:

; APPLICANT: Wang, David G.

; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide

; TITLE OF INVENTION: Polymorphisms in the Human Genome

; FILE REFERENCE: 108827.129

; CURRENT APPLICATION NUMBER: US/10/027,632

; CURRENT FILING DATE: 2002-04-30

; PRIOR APPLICATION NUMBER: US 60/218,006

; PRIOR FILING DATE: 2000-07-12

; PRIOR APPLICATION NUMBER: US 60/198,676

; PRIOR FILING DATE: 2000-04-20

; PRIOR APPLICATION NUMBER: US 60/193,483

; PRIOR FILING DATE: 2000-03-29

; PRIOR APPLICATION NUMBER: US 60/185,218

; PRIOR FILING DATE: 2000-02-24

; PRIOR APPLICATION NUMBER: US 60/167,363

; PRIOR FILING DATE: 1999-11-23

; PRIOR APPLICATION NUMBER: US 60/156,358

; PRIOR FILING DATE: 1999-09-28

; PRIOR APPLICATION NUMBER: US 60/146,002

; PRIOR FILING DATE: 1999-08-09

; NUMBER OF SEQ ID NOS: 325720

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 44026

; LENGTH: 677

; TYPE: DNA

; ORGANISM: Human

US-10-027-632-44026

Alignment Scores:

Pred. No.:	38.6	Length:	677
Score:	7.00	Matches:	7
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	43.75%	Indels:	0
DB:	13	Gaps:	0

US-09-854-133-587 (1-16) x US-10-027-632-44026 (1-677)

Qy 7 IleAspPheIleIlePheTrp 13

Db 481 ATTGATTTTCATAAATTTCTGG 461

RESULT 22

US-10-027-632-44027/c

; Sequence 44027, Application US/10027632

; GENERAL INFORMATION:

; APPLICANT: Wang, David G.

; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide

; TITLE OF INVENTION: Polymorphisms in the Human Genome

; FILE REFERENCE: 108827.129

; CURRENT APPLICATION NUMBER: US/10/027,632

; CURRENT FILING DATE: 2002-04-30

; PRIOR APPLICATION NUMBER: US 60/218,006

; PRIOR FILING DATE: 2000-07-12

; PRIOR APPLICATION NUMBER: US 60/198,676

; PRIOR FILING DATE: 2000-04-20

; PRIOR APPLICATION NUMBER: US 60/193,483

; PRIOR FILING DATE: 2000-03-29

; PRIOR APPLICATION NUMBER: US 60/185,218

; PRIOR FILING DATE: 2000-02-24

; PRIOR APPLICATION NUMBER: US 60/167,363

; PRIOR FILING DATE: 1999-11-23

; PRIOR APPLICATION NUMBER: US 60/156,358

; PRIOR FILING DATE: 1999-09-28

; PRIOR APPLICATION NUMBER: US 60/146,002

; PRIOR FILING DATE: 1999-08-09

; NUMBER OF SEQ ID NOS: 325720

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 44027

; LENGTH: 677

; TYPE: DNA

; ORGANISM: Human

US-10-027-632-44027

Alignment Scores:

Pred. No.:	38.6	Length:	677
Score:	7.00	Matches:	7
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	43.75%	Indels:	0
DB:	13	Gaps:	0

US-09-854-133-587 (1-16) x US-10-027-632-44027 (1-677)

Qy 7 IleAspPheIleIlePheTrp 13

Db 481 ATTGATTTTCATAAATTTCTGG 461

RESULT 23

US-10-311-455-2185

; Sequence 2185, Application US/10311455

; Publication No. US20030143606A1

; GENERAL INFORMATION:

; APPLICANT: OLEK, Alexander

; APPLICANT: PIEPENBROCK, Christian

; APPLICANT: BERLIN, Kurt

; TITLE OF INVENTION: Diagnosis of Diseases Associated with the Immune System by Det

; TITLE OF INVENTION: cytosine methylation

; FILE REFERENCE: 5013.1014

; CURRENT APPLICATION NUMBER: US/10/311,455

; CURRENT FILING DATE: 2002-12-16

; PRIOR APPLICATION NUMBER: PCT/EP01/07537

; PRIOR FILING DATE: 2001-07-02

; PRIOR APPLICATION NUMBER: DE 10032529.7

; PRIOR FILING DATE: 2000-06-30

; PRIOR APPLICATION NUMBER: DE 10043826.1

; PRIOR FILING DATE: 2000-09-01

; NUMBER OF SEQ ID NOS: 2424

; SEQ ID NO 2185

; LENGTH: 5886

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)

US-10-311-455-2185

Alignment Scores:

Pred. No.:	301	Length:	5886
Score:	7.00	Matches:	7
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	43.75%	Indels:	0
DB:	12	Gaps:	0

US-09-854-133-587 (1-16) x US-10-311-455-2185 (1-5886)

Qy 6 GlyIleAspPheIleIlePhe 12

Db 4386 GGGATTGATTTTATAAATTTT 4406

RESULT 24

US-10-311-455-2202

; Sequence 2202, Application US/10311455

; Publication No. US20030143606A1

; GENERAL INFORMATION:

; APPLICANT: OLEK, Alexander

; APPLICANT: PIEPENBROCK, Christian

; APPLICANT: BERLIN, Kurt

; TITLE OF INVENTION: Diagnosis of Diseases Associated with the Immune System by Det

; TITLE OF INVENTION: cytosine methylation

FILE REFERENCE: 5013.1014
CURRENT APPLICATION NUMBER: US/10/311,455
CURRENT FILING DATE: 2002-12-16
PRIOR APPLICATION NUMBER: PCT/EP01/07537
PRIOR FILING DATE: 2001-07-02
PRIOR APPLICATION NUMBER: DE 10032529.7
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: DE 10043826.1
PRIOR FILING DATE: 2000-09-01
NUMBER OF SEQ ID NOS: 2424
SEQ ID NO 2202
LENGTH: 8576
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-311-455-2202

Alignment Scores:
Pred. No.: 430 Length: 8576
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 43.75% Indels: 0
DB: 12 Gaps: 0

US-09-854-133-587 (1-16) x US-10-311-455-2202 (1-8576)

Qy 6 GlyIleAspPheIleIlePhe 12
Db 5203 GGAATAGATTTTATAATATT 5223

RESULT 25

US-10-311-455-2126
Sequence 2126, Application US/10311455
Publication No. US20030143606A1

GENERAL INFORMATION:

APPLICANT: OLEK, Alexander
APPLICANT: PIEPENBROCK, Christian
APPLICANT: BERLIN, Kurt
TITLE OF INVENTION: Diagnosis of Diseases Associated with the Immune System by Determination of Cytosine Methylation
FILE REFERENCE: 5013.1014
CURRENT APPLICATION NUMBER: US/10/311,455
CURRENT FILING DATE: 2002-12-16
PRIOR APPLICATION NUMBER: PCT/EP01/07537
PRIOR FILING DATE: 2001-07-02
PRIOR APPLICATION NUMBER: DE 10032529.7
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: DE 10043826.1
PRIOR FILING DATE: 2000-09-01
NUMBER OF SEQ ID NOS: 2424
SEQ ID NO 2126
LENGTH: 9265
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-311-455-2126

Alignment Scores:
Pred. No.: 463 Length: 9265
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 43.75% Indels: 0
DB: 12 Gaps: 0

US-09-854-133-587 (1-16) x US-10-311-455-2126 (1-9265)

Qy 9 PheIleIlePheTrpIlePhe 15
Db 525 TTTATTATTTTGGATATT 545

RESULT 26
US-10-311-455-233
Sequence 233, Application US/10311455
Publication No. US20030143606A1
GENERAL INFORMATION:
APPLICANT: OLEK, Alexander
APPLICANT: PIEPENBROCK, Christian
APPLICANT: BERLIN, Kurt
TITLE OF INVENTION: Diagnosis of Diseases Associated with the Immune System by Determination of Cytosine Methylation
FILE REFERENCE: 5013.1014
CURRENT APPLICATION NUMBER: US/10/311,455
CURRENT FILING DATE: 2002-12-16
PRIOR APPLICATION NUMBER: PCT/EP01/07537
PRIOR FILING DATE: 2001-07-02
PRIOR APPLICATION NUMBER: DE 10032529.7
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: DE 10043826.1
PRIOR FILING DATE: 2000-09-01
NUMBER OF SEQ ID NOS: 2424
SEQ ID NO 233
LENGTH: 15881
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-311-455-233

Alignment Scores:
Pred. No.: 772 Length: 15881
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 43.75% Indels: 0
DB: 12 Gaps: 0

US-09-854-133-587 (1-16) x US-10-311-455-233 (1-15881)

Qy 10 IleIlePheTrpIlePheTrp 16
Db 11862 ATTATTTTGGATATTGG 11882

RESULT 27

US-09-835-232-7/c

Sequence 7, Application US/09835232
Patent No. US20020098489A1

GENERAL INFORMATION:

APPLICANT: Leder, Philip
APPLICANT: Leder, Benjamin
TITLE OF INVENTION: FORMIN-2 NUCLEIC ACIDS AND POLYPEPTIDES
TITLE OF INVENTION: AND USES THEREOF
FILE REFERENCE: 00383/052002
CURRENT APPLICATION NUMBER: US/09/835,232
CURRENT FILING DATE: 2001-04-12
PRIOR APPLICATION NUMBER: US 60/196,811
PRIOR FILING DATE: 2000-04-13
NUMBER OF SEQ ID NOS: 22
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 7
LENGTH: 170834
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
LOCATION: (1)...(170834)
OTHER INFORMATION: n= A,T,C, or G
US-09-835-232-7

Alignment Scores:
Pred. No.: 7.36e+03 Length: 170834
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0

Best Local Similarity: 100.00% Mismatches: 0
Query Match: 43.75% Indels: 0
DB: 9 Gaps: 0

US-09-854-133-587 (1-16) x US-09-835-232-7 (1-170834)

Qy 10 IlellePheTrpIlePheTrp 16
Db 95470 ATCATCTTTGGATTCTCTGG 95450

RESULT 28

US-10-308-485-7/c
; Sequence 7, Application US/10308485
; Publication No. US20030170683A1
; GENERAL INFORMATION:
; APPLICANT: Leder, Philip
; APPLICANT: Leder, Benjamin
; TITLE OF INVENTION: FORMIN-2 NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 00383/052002
; CURRENT APPLICATION NUMBER: US/10/308,485
; CURRENT FILING DATE: 2002-12-03
; PRIOR APPLICATION NUMBER: US/09/835,232
; PRIOR FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: US 60/196,811
; PRIOR FILING DATE: 2000-04-13
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 170834
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(170834)
; OTHER INFORMATION: n= A,T,C, or G

US-10-308-485-7

Alignment Scores: 170834
Pred. No.: 7.36e+03 Length: 7
Score: 7.00 Matches: 7
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 43.75% Indels: 0
DB: 12 Gaps: 0

US-09-854-133-587 (1-16) x US-10-308-485-7 (1-170834)

Qy 10 IlellePheTrpIlePheTrp 16
Db 95470 ATCATCTTTGGATTCTCTGG 95450

RESULT 29

US-10-098-263B-70994
; Sequence 70994, Application US/10098263B
; Publication No. US20030104410A1
; GENERAL INFORMATION:
; APPLICANT: Mittman, Michael
; TITLE OF INVENTION: Human Microarray
; FILE REFERENCE: 3118.1
; CURRENT APPLICATION NUMBER: US/10/098,263B
; CURRENT FILING DATE: 2003-01-08
; PRIOR APPLICATION NUMBER: 60/276,759
; PRIOR FILING DATE: 2001-03-16
; NUMBER OF SEQ ID NOS: 131066
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 70994
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien

US-10-098-263B-70994

Alignment Scores:

Pred. No.: 20.3 Length: 25
Score: 6.00 Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.50% Indels: 0
DB: 14 Gaps: 0

US-09-854-133-587 (1-16) x US-10-098-263B-70994 (1-25)

Qy 6 GlyIleAspPheIlelle 11
Db 6 GGGATAGACTTTATCATA 23

RESULT 30

US-09-006-298-7
; Sequence 7, Application US/09006298
; Patent No. US20020082224A1
; GENERAL INFORMATION:
; APPLICANT: Jolly, Douglas J.
; APPLICANT: Moore, Margaret D.
; APPLICANT: Chada, Sunil
; TITLE OF INVENTION: NON-IMMUNOGENIC PRODRUGS AND SELECTABLE
; TITLE OF INVENTION: MARKERS FOR USE IN GENE THERAPY
; NUMBER OF SEQUENCES: 32
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED and BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/006,298
; FILING DATE: 13-JAN-1998
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: McMasters, David D.
; REGISTRATION NUMBER: 33,963
; REFERENCE/DOCKET NUMBER: 930049.459
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 26 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear

US-09-006-298-7

Alignment Scores: 26
Pred. No.: 21.1 Length: 26
Score: 6.00 Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.50% Indels: 0
DB: 9 Gaps: 0

US-09-854-133-587 (1-16) x US-09-006-298-7 (1-26)

Qy 6 GlyIleAspPheIlelle 11
Db 4 GGGATCGATTTCATCATC 21

RESULT 31

US-09-867-701-51/c
; Sequence 51, Application US/09867701
; Patent No. US20020132237A1

```
; GENERAL INFORMATION:
; APPLICANT: Aglate, Paul A.
; APPLICANT: Jones, Robert
; APPLICANT: Harlocker, Susan L.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
; FILE REFERENCE: 210121.497
; CURRENT APPLICATION NUMBER: US/09/867,701
; CURRENT FILING DATE: 2001-05-29
; NUMBER OF SEQ ID NOS: 10912
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 51
; LENGTH: 250
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-867-701-51
```

```
Alignment Scores:
Pred. No.: 181          Length: 250
Score: 6.00           Matches: 6
Percent Similarity: 100.00%  Conservatives: 0
Best Local Similarity: 100.00%  Mismatches: 0
Query Match: 37.50%          Indels: 0
DB: 10                   Gaps: 0
```

US-09-854-133-587 (1-16) x US-09-867-701-51 (1-250)

```
Qy 10 IlellePheTrpIlePhe 15
    |||||
Db 100 ATAATTTCGGATTTT 83
```

RESULT 32

US-09-604-287A-101
; Sequence 101, Application US/09604287A
; Patent No. US20020064872A1

; GENERAL INFORMATION:

```
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Hepler, William T.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER
; FILE REFERENCE: 210121.470C7
; CURRENT APPLICATION NUMBER: US/09/604,287A
; CURRENT FILING DATE: 2000-06-22
; NUMBER OF SEQ ID NOS: 489
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 101
; LENGTH: 277
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-604-287A-101
```

```
Alignment Scores:
Pred. No.: 199          Length: 277
Score: 6.00           Matches: 6
Percent Similarity: 100.00%  Conservatives: 0
Best Local Similarity: 100.00%  Mismatches: 0
Query Match: 37.50%          Indels: 0
DB: 9                   Gaps: 0
```

US-09-854-133-587 (1-16) x US-09-604-287A-101 (1-277)

```
Qy 10 IlellePheTrpIlePhe 15
    |||||
Db 96 ATTATATTTGGATCTTC 113
```

RESULT 33

US-09-339-338-101

; Sequence 101, Application US/09339338A
; Patent No. US20020102602A1

```
; GENERAL INFORMATION:
; APPLICANT: Yuqiu, Jiang
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: COMPOSITIONS FOR THE TREATMENT AND
; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.470C2
; CURRENT APPLICATION NUMBER: US/09/339,338A
; CURRENT FILING DATE: 1999-06-23
; NUMBER OF SEQ ID NOS: 315
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 101
; LENGTH: 277
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-339-338-101
```

```
Alignment Scores:
Pred. No.: 199          Length: 277
Score: 6.00           Matches: 6
Percent Similarity: 100.00%  Conservatives: 0
Best Local Similarity: 100.00%  Mismatches: 0
Query Match: 37.50%          Indels: 0
DB: 10                   Gaps: 0
```

US-09-854-133-587 (1-16) x US-09-339-338-101 (1-277)

```
Qy 10 IlellePheTrpIlePhe 15
    |||||
Db 96 ATTATATTTGGATCTTC 113
```

RESULT 34

US-09-551-621-101

; Sequence 101, Application US/09551621
; Publication No. US20030104366A1

; GENERAL INFORMATION:

```
; APPLICANT: Yuqiu, Jiang
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Harlocker, Susan L.
; TITLE OF INVENTION: COMPOSITIONS FOR THE TREATMENT AND
; TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.470C5
; CURRENT APPLICATION NUMBER: US/09/551,621
; CURRENT FILING DATE: 2000-04-17
; NUMBER OF SEQ ID NOS: 479
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 101
; LENGTH: 277
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-551-621-101
```

```
Alignment Scores:
Pred. No.: 199          Length: 277
Score: 6.00           Matches: 6
Percent Similarity: 100.00%  Conservatives: 0
Best Local Similarity: 100.00%  Mismatches: 0
Query Match: 37.50%          Indels: 0
DB: 11                   Gaps: 0
```

US-09-854-133-587 (1-16) x US-09-551-621-101 (1-277)

```
Qy 10 IlellePheTrpIlePhe 15
    |||||
Db 96 ATTATATTTGGATCTTC 113
```

RESULT 35

US-10-124-805-101

; Sequence 101, Application US/10124805
; Publication No. US20030166022A1

```
; GENERAL INFORMATION:
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Sleath, Paul R.
; APPLICANT: Persing, David H.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF BREAST CANCER
; FILE REFERENCE: 210121.470C12
; CURRENT APPLICATION NUMBER: US/10/124,805
; CURRENT FILING DATE: 2002-04-15
; NUMBER OF SEQ ID NOS: 627
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 101
; LENGTH: 277
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-124-805-101

Alignment Scores:
Pred. No.:      199      Length: 277
Score:          6.00     Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match:    37.50%   Indels: 0
DB:             12      Gaps: 0

US-09-854-133-587 (1-16) x US-10-124-805-101 (1-277)

QY      10 IlellePheTrpIlePhe 15
      |||||
Db      96 ATTATATTTGGATCTTC 113

RESULT 36
US-10-007-805-101
; Sequence 101, Application US/10007805
; Publication No. US20020150581A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Xu, Jiangchun
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Durham, Margarita
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF BREAST CANCER
; FILE REFERENCE: 210121.470C10
; CURRENT APPLICATION NUMBER: US/10/007,805
; CURRENT FILING DATE: 2001-12-07
; NUMBER OF SEQ ID NOS: 593
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 101
; LENGTH: 277
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-007-805-101

Alignment Scores:
Pred. No.:      199      Length: 277
Score:          6.00     Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match:    37.50%   Indels: 0
DB:             13      Gaps: 0

US-09-854-133-587 (1-16) x US-10-007-805-101 (1-277)

QY      10 IlellePheTrpIlePhe 15
      |||||
Db      96 ATTATATTTGGATCTTC 113
```

```
RESULT 37
US-10-076-622-101
; Sequence 101, Application US/10076622
; Publication No. US20030023036A1
; GENERAL INFORMATION:
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Sleath, Paul R.
; APPLICANT: Persing, David H.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF BREAST CANCER
; FILE REFERENCE: 210121.470C11
; CURRENT APPLICATION NUMBER: US/10/076,622
; CURRENT FILING DATE: 2002-02-13
; NUMBER OF SEQ ID NOS: 627
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 101
; LENGTH: 277
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-076-622-101

Alignment Scores:
Pred. No.:      199      Length: 277
Score:          6.00     Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match:    37.50%   Indels: 0
DB:             14      Gaps: 0

US-09-854-133-587 (1-16) x US-10-076-622-101 (1-277)

QY      10 IlellePheTrpIlePhe 15
      |||||
Db      96 ATTATATTTGGATCTTC 113

RESULT 38
US-09-867-701-10058
; Sequence 10058, Application US/09867701
; Patent No. US20020132237A1
; GENERAL INFORMATION:
; APPLICANT: Aglate, Paul A.
; APPLICANT: Jones, Robert
; APPLICANT: Harlocker, Susan L.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
; FILE REFERENCE: 210121.497
; CURRENT APPLICATION NUMBER: US/09/867,701
; CURRENT FILING DATE: 2001-05-29
; NUMBER OF SEQ ID NOS: 10912
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 10058
; LENGTH: 283
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-867-701-10058

Alignment Scores:
Pred. No.:      203      Length: 283
Score:          6.00     Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match:    37.50%   Indels: 0
DB:             10      Gaps: 0

US-09-854-133-587 (1-16) x US-09-867-701-10058 (1-283)

QY      9 PheIlellePheTrpIle 14
      |||||
Db      21 TTTATATTTTGGATA 38

RESULT 39
US-09-796-692-9005
```



```
; Sequence 9005, Application US/09796692
; Publication No. US20020198362A1
; GENERAL INFORMATION:
; APPLICANT: Gaiger, Alexander
; APPLICANT: Algate, Paul A.
; APPLICANT: Mannion, Jane
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DETECTION, DIAGNOSIS AND THERAPY
; TITLE OF INVENTION: HEMATOLOGICAL MALIGNANCIES
; FILE REFERENCE: 2077.001200
; CURRENT APPLICATION NUMBER: US/09/796,692
; CURRENT FILING DATE: 2001-03-01
; PRIOR APPLICATION NUMBER: 60/186,126
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 60/190,479
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: 60/200,545
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: 60/200,303
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 60/200,779
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 60/200,999
; PRIOR FILING DATE: 2000-05-01
; PRIOR APPLICATION NUMBER: 60/186,126
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 60/190,479
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: 60/200,545
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: 60/200,303
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 60/200,779
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 60/200,999
; PRIOR FILING DATE: 2000-05-01
; PRIOR APPLICATION NUMBER: 60/202,084
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: 60/206,201
; PRIOR FILING DATE: 2000-05-22
; PRIOR APPLICATION NUMBER: 60/218,950
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: 60/222,903
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: 60/223,416
; PRIOR FILING DATE: 2000-08-04
; PRIOR APPLICATION NUMBER: 60/223,378
; PRIOR FILING DATE: 2000-08-07
; NUMBER OF SEQ ID NOS: 9597
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 9005
; LENGTH: 390
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-796-692-9005

Alignment Scores:
Pred. No.: 276 Length: 390
Score: 6.00 Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.50% Indels: 0
DB: 10 Gaps: 0

US-09-854-133-587 (1-16) x US-09-796-692-9005 (1-390)

Qy 10 IleIlePheTrpIlePhe 15
Db 229 ATTATATTGGATCTTC 246

Search completed: October 30, 2003, 17:23:03
Job time : 102.345 secs
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```
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: US 60/190,479
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: US 60/200,545
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: US 60/200,303
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: US 60/200,779
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: US 60/200,999
; PRIOR FILING DATE: 2000-05-01
; PRIOR APPLICATION NUMBER: US 60/202,084
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: US 60/206,201
; PRIOR FILING DATE: 2000-05-22
; PRIOR APPLICATION NUMBER: US 60/218,950
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: US 60/222,903
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: US 60/223,416
; PRIOR FILING DATE: 2000-08-04
; PRIOR APPLICATION NUMBER: US 60/223,378
; PRIOR FILING DATE: 2000-08-07
; PRIOR APPLICATION NUMBER: US 09/796,692
; PRIOR FILING DATE: 2001-03-01
; NUMBER OF SEQ ID NOS: 10467
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 9005
; LENGTH: 390
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-040-862-9005

Alignment Scores:
Pred. No.: 276 Length: 390
Score: 6.00 Matches: 6
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 37.50% Indels: 0
DB: 14 Gaps: 0

US-09-854-133-587 (1-16) x US-10-040-862-9005 (1-390)

Qy 10 IleIlePheTrpIlePhe 15
Db 229 ATTATATTGGATCTTC 246

Search completed: October 30, 2003, 17:23:03
Job time : 102.345 secs
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```
RESULT 40
US-10-040-862-9005
; Sequence 9005, Application US/10040862
; Publication No. US20030078396A1
; GENERAL INFORMATION:
; APPLICANT: Gaiger, Alexander
; APPLICANT: Algate, Paul A.
; APPLICANT: Mannion, Jane
; APPLICANT: Retter, Marc
; APPLICANT: Corixa Corporation
; TITLE OF INVENTION: Compositions and Methods for the Detection, Diagnosis and Therapy
; TITLE OF INVENTION: Hematological Malignancies
; FILE REFERENCE: 014058-013520US
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